Marsh 22.1
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Site ID	14CTB - 303		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	
Date	10/29	Day of Year	302
Field Crew		AME CIW	
Platform	MAKO	Location ASIS	MA
Arrival Time (EDT)	15:46	Departure Time (EDT)	
Latitude	N38.04560	Longitude	W075.25787
Water Depth (m)	N 28,04360		0001- 25/02
Handheld GPS used	765	GPS Waypoint	198
YSI	Du +	Camera	A1/10()
131	The T	Canala	MINIO
Sample Type/Sample	X. Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	n, moderne, rane	Radium Sampling: Mn Fiber	
GPS Reciever Used	Λ	Start Time	
GPS Session ID	A 098	Stop Time	
Occupation Time (min)	Delle I	Total Volume	
Occupation Time (min)	JMIN	Total Volume	
Surface/Grab		Water Quality Parameters	
	che L	Water Type (estuary, marsh, standing, marsh backfill)	Standing Do
Vegetation/Sediment Type	325/ 32.7	Temperature (°C)	21.1
Pentrometer (marsh sites only)	36317816	Barometric Pressure (mm Hg)	760,8
Shear Strength (kg/cm²) (marsh sites only)	- O15		29,1
Forams (preserved, x2)	-	Dissolved Oxygen (DO) (%)	2,12
Bulk Density/LOI	7	DO (mg/L) Specific Conductance (mS/cm)	T1 27
Grain Size	> 1	Specific Conductance (mS/cm)	51,23 33,70
Stable Isotopes/Metals	546	Salinity	7,42
Distance from GPS	,50 Cm	pH (-)	
Azimuth from GPS	MN 300	ORP (mV)	-171.2
March Buch Coro. 4" Bolycarbonata Barrol		Sand Gouge Core: AMS Sand/Loose Sediment Pro	ho
Marsh Push Core: 4" Polycarbonate Barrel		Barrel Length (cm)	T
Vegetation Type			
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
Shear Strength (kg/cm²)		Recovered Core Length (cm)	
Barrel Length (cm)		Core Catcher Used?	
In the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Azimuth from GPS			
N-A			
Notes			
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2157-2160 N-> 1	3-75-	-> 41 trum site	
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Site ID	14CTB - 304		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02)	
Date		Day of Year	302
Field Crew	JCB MEM	RIW AME	
Platform	MAKO	Location AS1S	mD
Arrival Time (EDT)	16:21	Departure Time (EDT)	
Latitude	N38 04768	Longitude	WU75 23818
Water Depth (m)	14-4		
Handheld GPS used	2 34 50	GPS Waypoint	099
YSI		Camera	, ,
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	,
GPS Reciever Used	A	Start Time	
GPS Session ID	A099	Stop Time	
Occupation Time (min)	SNIN	Total Volume	
Surface/Grab		Water Quality Parameters	1 1 1
Vegetation/Sediment Type	300 4.7	Water Type (estuary, marsh, standing, marsh backfill)	Standing Su
Pentrometer (marsh sites only)	300 14.7	Temperature (°C)	39.3 1
Shear Strength (kg/cm²) (marsh sites only)	0.9	Barometric Pressure (mm Hg)	7610
Forams (preserved, x2)	-	Dissolved Oxygen (DO) (%)	30,2
Bulk Density/LOI	_	DO (mg/L)	
Grain Size	DO (mg/L) Specific Conductance (mS/cm) Salinity 15 C pH (-) SE 12 0 ORP (mV) 2, 14 2, 14 34, 67 836	29.8	
Stable Isotopes/Metals			34.84
Distance from GPS	pH (-) SE 120 ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld = top of barrel) (cm) Recovered Core Length (cm) Core Catcher Used?	8,56	
Azimuth from GPS	SE120	ORP (mV)	24.9
Marsh Push Core: 4" Polycarbonate Barrel			DDE
Vegetation Type			
Pentrometer			
Shear Strength (kg/cm²)			
Barrel Length (cm)			
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)	12.0		
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
		- 170 10 AMO 01 1 1 1 01 1 1	
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	\
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)	\	Distance from GPS	
Distance from GPS		Azimuth from GPS	4
Azimuth from GPS			
Notes			
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		o reading 14.7	

Site ID	14CTB - 305	replicate 380	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0		
Date	10/28	Day of Year	301
Field Crew	JUB+ C	JW	Α
Platform	MAKe	Location	ASIS
Arrival Time (EDT)	14:13	Departure Time (EDT)	
Latitude	N38,08303	Longitude	WO75, 21003
Water Depth (m)	5-10cm		
Handheld GPS used	076	GPS Waypoint	077
YSI	prot	Camera	AWIDO
	W Manager Time	OIs Torrel Commits	V Manaura Time
Sample Type/Sample	X, Measure, Time	Sample Type/Sample Radium Sampling: Mn Fiber	X, Measure, Time
DGPS Positioning	10 A	Start Time	
GPS Reciever Used	RecA		
GPS Session ID	AUTT	Stop Time Total Volume	
Occupation Time (min)	Smin	Total Volume	
Surface/Grab		Water Quality Parameters	
	3 3	Water Type (estuary, marsh, standing, marsh back	fill) Standy mor
Vegetation/Sediment Type	spartina.	Temperature (°C)	fill) Standy Mon
Pentrometer (marsh sites only)		Barometric Pressure (mm Hg)	784.6
Shear Strength (kg/cm²) (marsh sites only)	120	Dissolved Oxygen (DO) (%)	623
Forams (preserved, x2) Bulk Density/LOI	2 23	DO (mg/L)	4180
Grain Size	¥2	Specific Conductance (mS/cm)	45,95
Stable Isotopes/Metals	X	Salinity	29.82
Distance from GPS	Tiom X2	pH (-)	7.83
Azimuth from GPS	W280	ORP (mV)	-146,8
- Zandu nom or o	MAGO	1 V''''	17010
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment	Probe
Vegetation Type		Barrel Length (cm)	
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
Shear Strength (kg/cm²)		Recovered Core Length (cm)	
Barrel Length (cm)		Core Catcher Used?	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			7
			,
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	+
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			19/10/19
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Site ID	14CTB - 306	April 1		
JSGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)		
Date	10/28	Day of Year		301
Field Crew	JEB + CI	1-4-		
Platform	MAKO	Location		ASIS
Arrival Time (EDT)	13:32	Departure Time (EDT)		1101
Latitude	N38 08802	Longitude		L8055.22087
Water Depth (m)	21cm			1
Handheld GPS used	JCB 76 S	GPS Waypoint		076
YSI	Dro +	Camera		AWIOZ
131	PIOT	Carriora		POTOCI
Sample Type/Sample	X, Measure, Time	Sample Type/Sample		X, Measure, Time
DGPS Positioning	A, Inicasaro, Timo	Radium Sampling: Mn Fib	er	pay moderatory time
GPS Reciever Used	D A	Start Time	-	
GPS Session ID	RecA	Stop Time		
	A076	Total Volume		
Occupation Time (min)	3 MIN	Total Volume		
		14/-4 O 1/4 - D		
Surface/Grab		Water Quality Parameters		100 600
Vegetation/Sediment Type	spartina	Water Type (estuary, marsh,	, standing, marsh backfill)	Marsh-
Pentrometer (marsh sites only)	1—	Temperature (°C)		20.3
Shear Strength (kg/cm²) (marsh sites only)	-	Barometric Pressure (mm H	lg)	764.5
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)		74.5
Bulk Density/LOI	7	DO (mg/L)		5.49
Grain Size	7	Specific Conductance (mS/c	cm)	51.34
Stable Isotopes/Metals	7	Salinity		33.79
Distance from GPS	25 CM2	pH (-)		7.85
Azimuth from GPS	25 cm	ORP (mV)		422
and the second s	10000	1 ()		17.0
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS S	and/Loose Sediment Pro	be
Vegetation Type		Barrel Length (cm)		T
		ITGODS (bottom of weld ≈ t	ton of harrel\ (cm\	
Pentrometer		Recovered Core Length (cm		
Shear Strength (kg/cm²)			''	
Barrel Length (cm)		Core Catcher Used?		
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS		
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS		
Compaction (cm)				
Recovered Core Length (cm)				
Distance from GPS				
Azimuth from GPS				
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Si	harpshooter Shovel 🔪	,
Number of Sections		Recovered Depth (cm)		
Total Core Length (cm)		Distance from GPS		
Distance from GPS		Azimuth from GPS		
Azimuth from GPS				
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Notes				
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Photos				
2117-2120 NJ	E -> 5	w from	site	
Photos 2117-2120 NJ	E>5	tw from	site	
2117-2120 NJ	E->5-	w from	site	
2117-2120 NJ	E->5-	w from	site	

Site ID	14CTB - 307		
USGS Field Activity Number (FAN)	2014-322-FA (14CTBC	02)	
Date	10/28	Day of Year	301
Field Crew	JUB CJ		
Platform	MAKO	Location	2124
Arrival Time (EDT)	15:04	Departure Time (EDT)	112.7
Latitude	N 38, 1036 8	Longitude	W075 20865
		Longitude	MO12 5-000
Water Depth (m)	25 cm	CDS Weyneight	07g
Handheld GPS used	765	GPS Waypoint	ANIUS
YSI	pro +	Camera	IAWIUD
	V Managemen Times	Cample Type (Cample	X, Measure, Time
Sample Type/Sample	X, Measure, Time	Sample Type/Sample Radium Sampling: Mn Fiber	A, Wedsure, Time
DGPS Positioning	T //	A STATE OF THE PARTY OF THE PAR	_
GPS Reciever Used	A	Start Time	
GPS Session ID	AUT9	Stop Time	
Occupation Time (min)	5 min	Total Volume	
Surface/Grab		Water Quality Parameters	March 1
Vegetation/Sediment Type	Sparting	Water Type (estuary, marsh, standing, marsh backfill)	Marsh Standa
Pentrometer (marsh sites only)		Temperature (°C)	20.8
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	764.3
Forams (preserved, x2)	V	Dissolved Oxygen (DO) (%)	45.8
Bulk Density/LOI	7	DO (mg/L)	45.9 2,42 49.23 32.17 7.80
	1	Specific Conductance (mS/cm)	49,12
Grain Size	7		32 13
Stable Isotopes/Metals		Salinity	34117
Distance from GPS	50 cm	pH (-)	7.80
Azimuth from GPS	NOIO	ORP (mV)	8,2
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	obe
Vegetation Type		Barrel Length (cm)	
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
Shear Strength (kg/cm²)		Recovered Core Length (cm)	
Barrel Length (cm)		Core Catcher Used?	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	
In-the-Ground Outside Depth to Surface (ITGODS) (cm)	1	Azimuth from GPS	
)	Azimuth nom GF3	
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS		7 Emilian nom of o	
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Site ID	140	CTB - 308	5	
JSGS Field Activity Number (FAN)		4-322-FA (14CTB02)		
Date	10	1	Day of Year	301
Field Crew	-	B CJW		~
			Location	1815
Platform		and limited		ASIS
Arrival Time (EDT)	13	3.0	Departure Time (EDT)	15:47 W075, 1990
Latitude	N.	2011100	Longitude	MOTS, 1990
Water Depth (m)	<	5 cm		
Handheld GPS used	-	765	GPS Waypoint	.080.
YSI	100		Camera	AW107)
Sample Type/Sample	X.1	Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	74,		Radium Sampling: Mn Fiber	,
			Start Time	
GPS Reciever Used	1			
GPS Session ID	<i>F</i>	080	Stop Time	
Occupation Time (min)		5min	Total Volume	
,			' control of the cont	
Surface/Grab			Water Quality Parameters	,
Vegetation/Sediment Type		Partina	Water Type (estuary, marsh, standing, marsh backfill)	STAMPINI.
Pentrometer (marsh sites only)	3	The lives	Temperature (°C)	71 71
	,		Barometric Pressure (mm Hg)	- 11
Shear Strength (kg/cm²) (marsh sites only	()	The Party of the P		TUTEL
Forams (preserved, x2)		7	Dissolved Oxygen (DO) (%)	Ce d. 2
Bulk Density/LOI		7	DO (mg/L)	Yileo
Grain Size		7	Specific Conductance (mS/cm)	48.26
Stable Isotopes/Metals	100	9	Salinity	31.50
Distance from GPS		25 cm	pH (-)	7.000
Azimuth from GPS	6		ORP (mV)	7500
TEIRIGHT HOIL OF G	3	W CIO	VIII.	17.4
			Sand Cause Care, AMS Sand/ sans Sadiment Bro	ho
Marsh Push Core: 4" Polycarbonate B	arrei		Sand Gouge Core: AMS Sand/Loose Sediment Pro	
Vegetation Type			Barrel Length (cm)	2411
Pentrometer	NI NI		ITGODS (bottom of weld ≈ top of barrel) (cm)	Fall
Shear Strength (kg/cm²)		7	Recovered Core Length (cm)	
Barrel Length (cm)			Core Catcher Used?	N
In-the-Ground Inside Depth to Surface (IT	TGIDS) (cm)		Distance from GPS	
In-the-Ground Outside Depth to Surface		3	Azimuth from GPS	
	(ITGODS) (GIII)		AZIMUM II ON O	
Compaction (cm)				
Recovered Core Length (cm)				
Distance from GPS			*	
Azimuth from GPS				
Marsh Auger Core: Eijkelkamp Peat Sa	ampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections			Recovered Depth (cm)	
			Distance from GPS	
Total Core Length (cm)			Azimuth from GPS	
Distance from GPS			Azimuth hom GP3	
Azimuth from GPS				
Notes				
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	14CTB - 309		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0)	2)	
Date	10/24	Day of Year	297
Field Crew	JCB + MEM		1211
Platform	OSV	Location ASIS, Waraster Co. N	100
Arrival Time (EDT)	11:33	Departure Time (EDT)	V(1)
Latitude	N38.11246	Longitude	NO75, 18793
Water Depth (m)	N30.11246	Longitude	1073,1077
Handheld GPS used	700 710	GPS Waypoint	A-2 (
YSI	JCB 763	Camera	DSLR
101		Carriera	DSCIC
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	A, Measure, Time		A, IviedSure, Tillie
GPS Reciever Used	DA	Radium Sampling: Mn Fiber	
	Kec-A	Start Time	
GPS Session ID	H026	Stop Time	
Occupation Time (min)	Smin	Total Volume	
· ·			
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SANDTURS	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)	- 1	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)	_	Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI		DO (mg/L)	
Grain Size		Specific Conductance (mS/cm)	
Stable Isotopes/Metals	7	Salinity	1
Distance from GPS	260		
Azimuth from GPS	25cm.	pH (-)	
Azimutn from GPS	5170	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel	,	Sand Gouge Core: AMS Sand/Loose Sediment Pro	
Vegetation Type		Barrel Length (cm)	24".
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	Full
Shear Strength (kg/cm²)		Recovered Core Length (cm)	44 cm
Barrel Length (cm)		Core Catcher Used?	NO
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	20 Cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	5190
Compaction (cm)			3110
Recovered Core Length (cm)			+
Distance from GPS			
Azimuth from GPS			
Azimulii ilolii GP3			
		Should (Dirt) Come AMS Shown boots Should	
Moreh Augus Coro, Fillrelliama Book Compley			
	1	Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Number of Sections Total Core Length (cm)		Recovered Depth (cm) Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS		Recovered Depth (cm)	
Number of Sections Total Core Length (cm) Distance from GPS		Recovered Depth (cm) Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS		Recovered Depth (cm) Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS		Recovered Depth (cm) Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes		Recovered Depth (cm) Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes		Recovered Depth (cm) Distance from GPS Azimuth from GPS	
Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Notes	d + 500 m	Recovered Depth (cm) Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	d + spar	Recovered Depth (cm) Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	d + span	Recovered Depth (cm) Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	d + spar	Recovered Depth (cm) Distance from GPS Azimuth from GPS	m phs
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	d + span	Recovered Depth (cm) Distance from GPS Azimuth from GPS	m phs
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	d + span	Recovered Depth (cm) Distance from GPS Azimuth from GPS	m plus
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	d + span iggel + from a	Recovered Depth (cm) Distance from GPS Azimuth from GPS	m plus con?)
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	d + spar	Recovered Depth (cm) Distance from GPS	m phs cm?)
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	d + spar iggel + from a	Recovered Depth (cm) Distance from GPS Azimuth from GPS	m phs cm?)
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	d + spar iggel + from a	Recovered Depth (cm) Distance from GPS Azimuth from GPS	m phs cm?)
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	d + spar iggel + from a	Recovered Depth (cm) Distance from GPS Azimuth from GPS	m phs cm?)
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Sand, arger pla Peary Sarple	d + spar iggel + from a	Recovered Depth (cm) Distance from GPS Azimuth from GPS	m plus
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Notes Photos	d + spaninggel + from a	Recovered Depth (cm) Distance from GPS Azimuth from GPS	m plus icm?)
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Notes Photos		Recovered Depth (cm) Distance from GPS Azimuth from GPS Se ves organics 44 Ruger Ap (~44-45)	m plus icm?
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Notes Photos		Recovered Depth (cm) Distance from GPS Azimuth from GPS Se ves organics 44 Ruger Ap (~44-45)	m plus con?)
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Notes Photos		Recovered Depth (cm) Distance from GPS Azimuth from GPS Se ves organics 44 Ruger Ap (~44-45)	m plus icm?)
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Notes Notes Distance from GPS Azimuth from GPS Notes Notes	>F->S	Recovered Depth (cm) Distance from GPS Azimuth from GPS	m phs cm?)
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Notes Notes DSLR 104 Site 105-108 N-	>F->S	Recovered Depth (cm) Distance from GPS Azimuth from GPS Se ves organics 44 Ruger Ap (~44-45)	m phs cm?)
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Notes Photos	>F->S	Recovered Depth (cm) Distance from GPS Azimuth from GPS Se ves organics 44 Ruger Ap (~44-45)	m phs cm?)

Site ID	14CTB - 310		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0	2)	
	ZOTT OZZ TA (TTO TBO	Day of Year 29 U	
10 7	20107		
Field Crew '	JEB+ CUI	Vacation Decice (1)	CY MAN
Platform	OSV	Location ASIS, Wocher Properties (EDT)	CO, NOLD
Arrival Time (EDT)	12:16 F-DT	Departure Time (EDT)	12139
Latitude	N38.11285	Longitude 0 075, 19112	
Water Depth (m)	15 cm st		
Handheld GPS used	JCB 765	GPS Waypoint 002	
YSI	000 103	Camera JCB A 630	28-131
101		GPS Waypoint 002 Camera JCB A 630	
Sample Type/Sample	X. Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	A, Measure, Time	Radium Sampling: Mn Fiber	ri, inidadara, rima
	De A	Start Time	
GPS Reciever Used Blue	14CH		
GPS Session ID	H002	Stop Time	
Occupation Time (min)	5 MIN	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type SAND m	CL ZDOM	Water Type (estuary, marsh, standing, marsh back	fill)
Pentrometer (marsh sites only)	3	Temperature (°C)	
		Barometric Pressure (mm Hg)	
Shear Strength (kg/cm²) (marsh sites only)			
Forams (preserved, x2)	7.	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	7	DO (mg/L)	
Grain Size	7	Specific Conductance (mS/cm)	
Stable Isotopes/Metals)	Salinity	
Distance from GPS	90 cm	pH (-)	
Azimuth from GPS	SOC IED	ORP (mV)	
Talling Holli Or O	001 150	v1	
March Duch Core III Believe house Borrel		Sand Gouge Core: AMS Sand/Loose Sediment	Prohe
Marsh Push Core: 4" Polycarbonate Barrel			24"
Vegetation Type		Barrel Length (cm)	Gr. /
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	18cm
Shear Strength (kg/cm²)		Recovered Core Length (cm)	21cm
Barrel Length (cm)		Core Catcher Used?	NO
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS 1.00 m	
In-the-Ground Outside Depth to Surface (ITGODS) (cm)			
		Azimuth from GPS 5 160	
Compaction (cm)			
Recovered Core Length (cm)		A Property of the Control of the Con	
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (em)	
		Distance from GPS	
Total Core Length (cm)			2 2
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
poor recovery of penetrated rook back-barrier m	sand of mat	ouger in muck	7 Feds
Photos			
Photos			
128-131 N-> E	-> 5->	W from site	

Site ID	14СТВ- 38		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB)	02)	
Date	10/21/14	Day of Year 29 4	
Field Crew	JCB + 0	JW II	
Platform	AS I	Location ASIS, WOCKSTER (20 40
Arrival Time (EDT)	15:11	Departure Time (EDT)	12:39
Latitude	N38, 1128		10.04
Water Depth (m)			
Handheld GPS used	55cm s	GPS Waypoin	
YSI	JCB 765		+
TSI	and the same of th	Camera JUCB A 6 30	
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	A, Ivieasure, Tillie	Radium Sampling: Mn Fiber	A, Weasure, Time
GPS Reciever Used	DC A A		
GPS Reciever Used GPS Session ID	KLCH	Start Time	
	A002	Stop Time	
Occupation Time (min)	SMIN	Total Volume	
0. 1. 10. 1			
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type		Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	_	DO (mg/L)	
Grain Size	- 1	Specific Conductance (mS/cm)	
Stable Isotopes/Metals		Salinity	
Distance from GPS	90 cm	pH (-)	1
Azimuth from GPS	SSF 150	ORP (mV)	-
	316 190		
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	he
Vegetation Type		Barrel Length (cm)	3411
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	-
Shear Strength (kg/cm²)		Recovered Core Length (cm)	13 cm
Barrel Length (cm)		Core Catcher Used?	22 cm
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)	 		NO
		Distance from GPS	114 m
In-the-Ground Outside Depth to Surface (ITGODS) (cm)	-	Azimuth from GPS	5/60
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections	-	Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
	1		
14CTB-381 Repl Misguites are	1 cate 1	10-10 21	
14010	1 (10)	4015 210	
0	0 1		
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0	Constitution of the Parket of		
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* 0			
Photos			
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e e			

Site ID	14CTB - 311		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0)	2)	
Date	10/21	Day of Year 2 9 U	
Field Crew		Day of Teal 27 4	
Platform	JCB, CJW	Location ACIC III	
Arrival Time (EDT)	OSV	Location ASIS, Wochester CU, M	10
Latitude	11:34 EDT	Departure Time (EDT)	12:00
Water Depth (m)	N 38,1136,5	Longitude W 075, 19323	,
	<5 cm sta		
Handheld GPS used	JCB 765	GPS Waypoint 00 /	
YSI		Camera JCB CANUN A630	122-127
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used Blue	(A)	Start Time	
GPS Session ID	A001	Stop Time	
Occupation Time (min)	5 Min	Total Volume	
	3 MIN	Total	
Surface/Grab		Water Quality Parameters	
	00010	Water Type (estuary, marsh, standing, marsh backfill	
Vegetation/Sediment Type Pentrometer (marsh sites only)	PARTINA)
		Temperature (°6)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	1
Bulk Density/LOI	7	DO (mg/L)	
Grain Size	7	Specific Conductance (mS/cm)	_
Stable Isotopes/Metals	7	Salinity	
Distance from GPS	80 cm	pH (-)	
Azimuth from GPS	WNW 300	ORP (mV)	
	100		
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pr	nha
Vegetation Type		Barrel Length (cm)	
Pentrometer			24"
		ITGODS (bottom of weld ≈ top of barrel) (cm)	18 cm
Shear Strength (kg/cm²)		Recovered Core Length (cm)	20 cm
Barrel Length (cm)		Core Catcher Used?	NO
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	35 cm
n-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	WNW 290
Compaction (cm)			11-1-10
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	T
Total Core Length (cm)		Distance from GPS	
Distance from GPS			
Azimuth from GPS		Azimuth from GPS	
Azimuti irom GPS			
		- X X	
Votes		` .	
Poor sand anger marsh sediments Estuarine/back-bo		y of saturated marsh e WTX4	/
122 - looking ~W	@ ANter	ana o	
123-126 N->	E-> S	> W from site	
127 marsh vea	,		

FA (14CTB02) Day of Year 294
Day of Year 294 + CJ N Location ASIS, Work Co M Departure Time (EDT) Longitude Wolls 823 GPS Waypoint Camera GBS Waypoint GBS
Location ASIS, Work Co MD Departure Time (EDT) Longitude WOFF 18523 GPS Waypoint Camera 113 A630 Location ASIS, Work Co MD GPS Waypoint Camera 113 A630 Longitude WOFF 18523 Market Flow Co MD GPS Waypoint Co GPS Waypoint Camera 113 A630 Location ASIS Work Colon MD GPS Waypoint Company Camera 114 To GPS Waypoint
Location ASIS, Work MCSER CO MD Departure Time (EDT) Longitude WOTS, 8523 M Stand GPS Waypoint Camera CBS AGS CO MARCHING AGIOM Sample Type/Sample X, Measure Radium Sampling: Mn Fiber A Start Time Stop Time Total Volume Water Quality Parameters Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (mm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Departure Time (EDT) Longitude Wolf 1.8523 GPS Waypoint Camera 1.8523 Inc. Time Sample Type/Sample X, Measure Radium Sampling: Mn Fiber Start Time Stop Time Total Volume Water Quality Parameters Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (mm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Departure Time (EDT) Longitude Wolf 1.8523 GPS Waypoint Camera 1.8523 Inc. Time Sample Type/Sample X, Measure Radium Sampling: Mn Fiber Start Time Stop Time Total Volume Water Quality Parameters Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (mm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
GPS Waypoint Camera GPS Waypoint A Step Time Stop Time Total Volume Water Quality Parameters Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (nm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
GPS Waypoint Camera GPS Waypoint A Step Time Stop Time Total Volume Water Quality Parameters Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (nm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
GPS Waypoint Camera
Camera Camera C
Ire, Time Sample Type/Sample Radium Sampling: Mn Fiber Start Time Stop Time Total Volume Water Quality Parameters Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (mm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Radium Sampling: Mn Fiber Start Time Stop Time Total Volume Water Quality Parameters Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (mm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Radium Sampling: Mn Fiber Start Time Stop Time Total Volume Water Quality Parameters Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (mm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Start Time Stop Time Total Volume Water Quality Parameters Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (nm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Water Quality Parameters Water Quality Parameters Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (nm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Water Quality Parameters Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (nm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Water Quality Parameters Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (nm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (nm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Water Type (estuary, marsh, standing, marsh backfill) Temperature (°C) Barometric Pressure (nm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Temperature (°C) Barometric Pressure (nm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Temperature (°C) Barometric Pressure (nm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Barometric Pressure (mm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Specific Conductance (mS/cm) Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Salinity pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
pH (-) ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Sand Gouge Core: AMS Sand/Loose Sediment Probe Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)
ITGODS (bottom of weld ≈ top of barrel) (cm)
Recovered Core Length (cm)
Core Catcher Used?
Distance from GPS
Azimuth from GPS
>
Shovel (Dig) Core: AMS Sharpshooter Shovel
Recovered Depth (cm)
Distance from GPS
Azimuth from GPS
ackbarrier estuarine mars
>5 -> W

Site ID	14CTB- 31	3	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB)	02)	
Date	10/21	Day of Year	794
Field Crew •		JW	
Platform	OSV	Location ASIS, Worces ex	CO.MD
Arrival Time (EDT)	15:57	Departure Time (EDT)	0,700
Latitude			176 1000
	N 28, 14066		W075, 1899
Water Depth (m)	1-2 cm 5+0		-
Handheld GPS used	JCB 765	GPS Waypoint	00 8 ,,
YSI		Camera JCB A630	157-162
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used Bue	RECA	Start Time	
GPS Session ID	1008	Stop Time	
Occupation Time (min)	SMIN	Total Volume	
Coopelion rand (ran)	SMIN	Total Volumo	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	500 1 · ·		ren/
	sparting	Water Type (estuary, marsh, standing, marsh bac	KIIII)
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)	-	Barometric Pressure (mm Hg)	
Forams (preserved, x2)	-	Dissolved Oxygen (DQ) (%)	
Bulk Density/LOI		DO (mg/L)	
Grain Size	1	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	~	Salinity	
Distance from GPS	75 cm	pH (-)	
Azimuth from GPS	13/16	ORP (mV)	
	NOYO	Ora (my) Co	-
Marris Duris Come di Data da da Data			
Marsh Push Core: 4" Polycarbonate Barrel	-	Sand Gouge Core: AMS Sand/Loose Sediment	Probe
Vegetation Type		Barrel Length (cm)	
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
Shear Strength (kg/cm²)	A STATE OF THE STA	Recovered Core Length (cm)	
Barrel Length (cm)		Core Catcher Used?	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)		7 Estituti il otti oli	
Recovered Core Length (cm)			
Distance from GPS	,		
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections	A STATE OF THE PARTY OF THE PAR	Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	·
Azimuth from GPS			
Notes			
SIT ~ 2 min NI	120 - ()	0000	
SET ~2m N	070 +12	m Daps	
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July Jan 18	SINAVIN	e sparting mi	arsh
11 10) 11 1	1	e spartina ma 25-35 cm de	
Cliffe & Shire	line ~	25-35	^
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Photos			
Photos			
157-160 NI	LI	>S W from	1/_ 1 2 3
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161 NNE 2	- 1	ives site 325	01.0
10111 63	Et towa	1VC5 CITO 370	
16	1	3116 253	
162 NE Alon	e < 11.00	. 1	
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Site ID	14CTB - 3/4		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0	2)	
Date	10-21-14	Day of Year	294
Field Crew	mm AE		77
Platform	mako	Location	ASIC
Arrival Time (EDT)		Departure Time (EDT)	16135
Latitude	16:00 N38.15150	Longitude	1.17-18020
Water Depth (m)	NA	Longitudo	CO 12.10058
Handheld GPS used	625+c	GPS Waypoint	128
YSI	623+6	Camera	Chu !
101		Carriera	100103
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	Mile and a second	Radium Sampling: Mn Fiber	/
GPS Reciever Used	SMG ZX-2	Start Time	
GPS Session ID	B601	Stop Time	1
Occupation Time (min)	5000	Total Volume	
	5010		
Surface/Grab	,,,,,,	Water Quality Parameters	
Vegetation/Sediment Type	7	Water Type (estuary, marsh, standing, marsh backfill)	\ /
Pentrometer (marsh sites only)	275	Temperature (°C)	1
Shear Strength (kg/cm²) (marsh sites only)	AIN	Barometric Pressure (mm Hg)	
Forams (preserved, x2)	1	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	1	DO (mg/L)	X
Grain Size		Specific Conductance (mS/cm)	
Stable Isotopes/Metals	-	Salinity	
Distance from GPS	50	pH (-)	
Azimuth from GPS	Sucm	ORP (mV)	/
7-Einder Holli Gi G	NE	Ord (mv)	1
Marsh Push Core: 4" Polycarbonate Barrel	See London	Sand Gouge Core: AMS Sand/Loose Sediment Pro	be
Vegetation Type	. /	Barrel Length (cm)	
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	58 cm
Shear Strength (kg/cm²)		Recovered Core Length (cm)	14000
Barrel Length (cm)	V	Core Catcher Used?	110
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)	A	Distance from GPS	75cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	15 cm
Compaction (cm)		7 Elinder Holli Or O	
Recovered Core Length (cm)	+ / - \		
Distance from GPS	+-/	 	
Azimuth from GPS	/		
Azinidii ilolii GF3	/		
Marsh Auger Core: Eijkelkamp Peat Sampler	-	Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)	/	Distance from GPS	
Distance from GPS		Azimuth from GPS	7
Azimuth from GPS		7 Elinati II Oli O	
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Notes			
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Photos			
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Site ID	14СТВ- 315	A CONTRACTOR OF THE CONTRACTOR	
JSGS Field Activity Number (FAN)	2014-322-FA (14CTB		
			701
Date	JCB + CJ	Day of Year	244
Field Crew		N. Asic Is its	Δ
Platform	OSV	Location ASIS, Warrester (MI
Arrival Time (EDT)	16:52	Departure Time (EDT)	17:00
Latitude	N 38. 15314		
Water Depth (m)	Norm sta	MING	
Handheld GPS used	JCB 765	GPS Waypoint	960
YSI		Camera Tel A630	163-149
		the state of the s	
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	,	Radium Sampling: Mn Fiber	- 1,
	1/ Co A	Start Time	
GPS Reciever Used GPS Session ID	KEC A		
	A009	Stop Time	
Occupation Time (min)	5 Min	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	sparting	Water Type (estuary, marsh, standing, marsh backfil	1)
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Rressure (mm Hg)	
Forams (preserved, x2)	-	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	-	DO (mg/L)	
Grain Size	~	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	1	Salinity	-
Distance from GPS	Im	pH (-)	
Azimuth from GPS	N020	ORP (mV)	
	* 9		
Marsh Push Core: 4" Polycarbonate Barrel	Will be to the same of the same	Sand Gouge Core: AMS Sand/Loose Sediment P	robe
Vegetation Type		Barrel Length (cm)	2411
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
		Recovered Core Length (cm)	15 cm
Shear Strength (kg/cm²)			15cm
Barrel Length (cm)	->	Core Catcher Used?	
In-the-Ground Inside Depth to Surface (ITGIDS) (cr		Distance from GPS	1.0
In-the-Ground Outside Depth to Surface (ITGODS)	(cm)	Azimuth from GPS	N030
Compaction (cm)		. \	
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler	9	Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	7
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
Poor recovery of back barner s	partina s	marsh sids w/ saul p? marsh ady to	auger tidal inte
Photos			
163-166 N-> (Sun glare) 167-169 ~ W-	F -> 5 in 166) N alone	> W Fin site tidal intet	
		-	

Site ID	14CTB - 316	1	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	
Date	1 1	Day of Year	294
Field Crew	JCB + CJ		217
Platform	- /	Location ASIS, Worcester	(1) MAA
Arrival Time (EDT)	13:16	Departure Time (EDT)	112:75
Latitude	N38,15232	Longitude	W075, 17610
	N3811257	Lorigitude	10043,14010
Water Depth (m)	1.0 711	CDC Messaciati	2111
Handheld GPS used	JCB 765	Camera UCR A630	010
YSI		Camera JCB A630	1+0
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	RECA	Start Time	
GPS Session ID	A010	Stop Time	
Occupation Time (min)	FO TO	Total Volume	
Occupation Time (min)	SMIN		
Surface/Grab		Water Quality Parameters	
	17	Water Type (estuary, marsh, standing, marsh bac	kfill)
Vegetation/Sediment Type	5	Temperature (°C)	·····/
Pentrometer (marsh sites only)			
Shear Strength (kg/cm²) (marsh sites only)	-	Barometric Pressure (mm Hg)	
Forams (preserved, x2)	V	Dissolved Oxygen (DQ) (%)	
Bulk Density/LOI	-	DO (mg/L)	i i
Grain Size		Specific Conductance (mS/cm)	
Stable Isotopes/Metals		Salinity	V
Distance from GPS	85 cm	pH (-)	
Azimuth from GPS	N350	ORP (mV)	
	730		
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sedimen	
Vegetation Type		Barrel Length (cm)	24"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
		Recovered Core Length (cm)	50cm
Shear Strength (kg/cm²) Barrel Length (cm)	,	Core Catcher Used?	1500
		Distance from GPS	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)			
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
		Recovered Depth (cm)	
Number of Sections		Distance from GPS	
Total Core Length (cm)			
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
	As a second		
tall marsh gres,	s (spart	ration w/ sand	anger
i.			
Photos			
170 Vegetatio	N		· · · · · · · · · · · · · · · · · · ·
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Site ID	14CTB- 317-		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	
Date		Day of Year	294
Field Crew	10/21 Jes + C3		217
		A A S A A S A A S A A S A A A A A A A A	
Platform	OSV	Location ASIS, WUYCALLO CA	MD
Arrival Time (EDT)	17:34	Departure Time (EDT)	17:45
Latitude	N'38, 15184	Longitude	W075. 17361
Water Depth (m)			
Handheld GPS used	JUB 765	GPS Waypoint	011
YSI		Camera JCB A630	38-171-174
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
GPS Reciever Used	0 A	Start Time	
GPS Session ID	RicH	Stop Time	
	AoII		
Occupation Time (min)	Smin	Total Volume	
Surface/Grab	1	Water Quality Parameters	
Vegetation/Sediment Type	6/W + dry ve	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	_ \	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	7	DO (mg/L)	
Grain Size		Specific Conductance (mS/cm)	
Stable Isotopes/Metals		Salinity	
Distance from GPS	25 cm	pH (-)	
Azimuth from GPS	E090	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	be
Vegetation Type		Barrel Length (cm)	24"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
			tull
Shear Strength (kg/cm²)		Recovered Core Length (cm)	37 cm
Barrel Length (cm)		Core Catcher Used?	NO
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	35 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	E195.
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS		•	
Azimuth from GPS			
Azimuti nom GF3			
		1	
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS		1	
		1	
Notes		-	
			T
SANDY ON depos	t e to	e of tai	n n
sparse veg + S	and bu	org neh lager at	1 11
			botton
No trench today	running or	ut of habt	
Photos			
171-174 11	E	0 1	
171-174 N-D	E -3 S	-> W from site	

& 6PS time off

4CTB - 320 C 014-322-FA (14CTB02 08 , 2002) C, Measure, Time	~	-75 Watup	299
(, Measure, Time	Day of Year Location Departure Time (EDT) Longitude GPS Waypoint Camera Sample Type/Sample Radium Sampling: Mn Fiber Start Time Stop Time	watup	Y09
K, Measure, Time	Location Departure Time (EDT) Longitude GPS Waypoint Camera Sample Type/Sample Radium Sampling: Mn Fiber Start Time Stop Time	watup	Y09
K, Measure, Time	Departure Time (EDT) Longitude GPS Waypoint Camera Sample Type/Sample Radium Sampling: Mn Fiber Start Time Stop Time	watup	Y09
K, Measure, Time	Departure Time (EDT) Longitude GPS Waypoint Camera Sample Type/Sample Radium Sampling: Mn Fiber Start Time Stop Time	watup	Y09
K, Measure, Time	Longitude GPS Waypoint Camera Sample Type/Sample Radium Sampling: Mn Fiber Start Time Stop Time	watup	Y09
K, Measure, Time	GPS Waypoint Camera Sample Type/Sample Radium Sampling: Mn Fiber Start Time Stop Time	watup	Y09
B	Sample Type/Sample Radium Sampling: Mn Fiber Start Time Stop Time	1	Y09
B	Sample Type/Sample Radium Sampling: Mn Fiber Start Time Stop Time	1	Y09
B	Sample Type/Sample Radium Sampling: Mn Fiber Start Time Stop Time	1	0
B	Radium Sampling: Mn Fiber Start Time Stop Time		X, Measure, Time
B	Radium Sampling: Mn Fiber Start Time Stop Time		
BIII	Start Time Stop Time		
Billsmin	Stop Time		
5 min			
J IIII			
	Water Quality Parameters		-
SINNINS	Water Type (estuary, marsh, stand	ing, marsh backfill)	MARSH
10.35	Temperature (°C)		139
0077	Barometric Pressure (mm Hg)	- 2 See	139 138.1
		70 0 70	43-0
			4.18
1/1	Specific Conductance (mS/cm)		36.92
1/	Salinity	*.	23.38
95 m			6.0
			53.3
Joon III			
/	Sand Gouge Core: AMS Sand/Lo	ose Sediment Prol	be
	Barrel Length (cm)		
	ITGODS (bottom of weld ≈ top of b	parrel) (cm)	
	Recovered Core Length (cm)		
	Core Catcher Used?		
	Distance from GPS		
	Azimuth from GPS	TTI resident and and	
		hooter Shovel	
	Distance from GPS		
	Azimuth from GPS		
		-	
	1 11 11 10 11		~
INFO Grow	no without the	al plate	. Dish to
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N	フップ	W	
		50	
	Thour,	Salinity pH (-) SOUTH FAST ORP (mV) Sand Gouge Core: AMS Sand/Le Barrel Length (cm) ITGODS (bottom of weld ≈ top of the Recovered Core Length (cm) Core Catcher Used? Distance from GPS Azimuth from GPS Shovel (Dig) Core: AMS Sharpsing Recovered Depth (cm) Distance from GPS Azimuth from GPS Azimuth from GPS Azimuth from GPS Azimuth from GPS	DO (mg/L) Specific Conductance (mS/cm) Salinity pH (-) South FAS ORP (mV) Sand Gouge Core: AMS Sand/Loose Sediment Prol Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm) Recovered Core Length (cm) Core Catcher Used? Distance from GPS Azimuth from GPS Shovel (Dig) Core: AMS Sharpshooter Shovel Recovered Depth (cm) Distance from GPS

Rep 13203 14CTB -Site ID 2014-322-FA (14CTB02) USGS Field Activity Number (FAN) Date MU Day of Year 9 Field Crew Platform Location 941 Departure Time (EDT) Arrival Time (EDT) 38.2002 Longitude Latitude Water Depth (m) **GPS Waypoint** Handheld GPS used Camera Sample Type/Sample X, Measure, Time Sample Type/Sample X, Measure, Time Radium Sampling: Mn Fiber DGPS Positioning Start Time **GPS Reciever Used** GPS Session ID B113 Stop Time Total Volume Occupation Time (min) 5min Water Quality Parameters Surface/Grab 13.9 Water Type (estuary, marsh, standing, marsh backfill) Vegetation/Sediment Type Jun cus Pentrometer (marsh sites only) Temperature (°C) 0.75 Barometric Pressure (mm Hg) 58:1 Shear Strength (kg/cm²) (marsh sites only) Dissolved Oxygen (DO) (%) 43.0 Forams (preserved, x2) DO (mg/L) 4.18 Bulk Density/LOI Specific Conductance (mS/cm) Grain Size 36.92 Stable Isotopes/Metals Salinity Distance from GPS pH (-) ORP (mV) Azimuth from GPS Sand Gouge Core: AMS Sand/Loose Sediment Probe Marsh Push Core: 4" Polycarbonate Barrel Barrel Length (cm) Vegetation Type ITGODS (bottom of weld ≈ top of barrel) (cm) Pentrometer Recovered Core Length (cm) Shear Strength (kg/cm²) Barrel Length (cm) Core Catcher Used? Distance from GPS In-the-Ground Inside Depth to Surface (ITGIDS) (cm) In-the-Ground Outside Depth to Surface (ITGODS) (cm) Azimuth from GPS Compaction (cm) Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Shovel (Dig) Core: AMS Sharpshooter Shovel Recovered Depth (cm) Number of Sections Distance from GPS Total Core Length (cm) Azimuth from GPS Distance from GPS Azimuth from GPS Notes Photos

ite ID		3875 3219	
SGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	199
ate	10/26/14	Day of Year	1
eld Crew	CJW AMI		
latform	OSV.	Location	11:11
rrival Time (EDT)	10:51	Departure Time (EDT)	75375
	38.21217	Longitude	1 34 10 38
atitude (stee Poeth (m)	1 cm	· ·	112
/ater Depth (m) andheld GPS used	SAMPORD TY	Q GPS Waypoint	Lacovista L
	NO	Camera	PIPIOO
SI			X, Measure, Time
- In Time/Cample	X, Measure, Time	Sample Type/Sample	A, Measure, Time
ample Type/Sample		Radium Sampling: Mn Fiber	
GPS Positioning	B	Start Time	
PS Reciever Used	8113	Stop Time	
PS Session ID		Total Volume	
ccupation Time (min)	5min		
		Water Quality Parameters	
urface/Grab	C242-11	Water Type (estuary, marsh, standing, marsh backfi	II) MARCH
egetation/Sediment Type	SPARTINA	Temperature (°C)	
entrometer (marsh sites only)	0.75	Barometric Pressure (mm Hg)	
hear Strength (kg/cm²) (marsh sites only)	-	Dissolved Oxygen (DO) (%)	
orams (preserved, x2)	//		
Bulk Density/LOI	·V/	DO (mg/L)	
Grain Size	//	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	~	Salinity	
Distance from GPS	1.17m	pH (-)	
Azimuth from GPS	NE	ORP (mV)	
-Zillidar IIolii Or O			D
Marsh Push Core: 4" Polycarbonate Barrel	/	Sand Gouge Core: AMS Sand/Loose Sediment	Probe
		Barrel Length (cm)	20
Vegetation Type		ITGODS (bottom of weld ≈ top of barrel) (cm)	19 cm
Pentrometer		Recovered Core Length (cm)	1+.5 cm
Shear Strength (kg/cm²)		Core Catcher Used?	NO
Barrel Length (cm) In-the-Ground Inside Depth to Surface (PTGIDS) (cm)		Distance from GPS	loten
In-the-Ground Inside Depth to Surface (ITGODS) (cm)	N .	Azimuth from GPS	1000ms
	/		NW
Compaction (cm)			
Recovered Core Length (cm)		,	3
Distance from GPS			
Azimuth from GPS			
	,	Shovel (Dig) Core: AMS Sharpshooter Shovel	
Marsh Auger Core: Eijkelkamp Peat Sampler		Recovered Depth (cm)	
Number of Sections		Distance from GPS	
Total Core Length (cm)			
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
	50% fulle	in Seds. 2.02m	. From
Photos	10.7.6		Calledon
2087-2015 (first sand au	viorse, l	local NAEASAW),	Lathnyn's

ite ID	14СТВ - 3	235	
SGS Field Activity Number (FAN)	2014-322-FA (14CTB02		
ate	10/210/14	Day of Year	299
eld Crew	CTID, A	ME	
atform	65V	Location	
rival Time (EDT)	19:00	Departure Time (EDT)	
atitude	38,21170	Longitude	-75.15125
/ater Depth (m)	0		
andheld GPS used	SANFOOLOTIC	GPS Waypoint	115
'SI	No	Camera	anterproson
ample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
GPS Positioning		Radium Sampling: Mn Fiber	
PS Reciever Used	13	Start Time	
SPS Session ID	0 115	Stop Time	
occupation Time (min)	5 min	Total Volume	
unface/Grah		Water Quality Parameters	
urface/Grab	2H01100	Water Type (estuary, marsh, standing, marsh backfi	11)
	stleno	Temperature (°C)	
entrometer (marsh sites only)		Barometric Pressure (mm Hg)	
hear Strength (kg/cm²) (marsh sites only)		Dissolved Oxygen (DO) (%)	
orams (preserved, x2)	1//	DO (mg/L)	
Bulk Density/LOI	1	Specific Conductance (mS/cm)	
Grain Size	V/	Salinity (ms/cm)	
Stable Isotopes/Metals	100 V	pH (-)	
Distance from GPS	40 m	ORP (mV)	
Azimuth from GPS	Nest	OKF (IIIV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment F	Probe
/egetation Type		Barrel Length (cm)	50 cm
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	43cm
Shear Strength (kg/cm²)		Recovered Core Length (cm)	
Barrel Length (cm)		Core Catcher Used?	No
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	Hocm
n-the-Ground Outside Depth to Surface (ITGODS) (cr	n)	Azimuth from GPS	West
Compaction (cm)			
Recovered Core Length (cm)			
Distance from OPS			
Azimuth from GPS			
		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Marsh Auger Core: Eijkelkamp Peat Sampler		Recovered Depth (cm)	
Number of Sections			
Total Core Length (cm)		Distance from GPS	*
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
		interna (GB) - 2.	
a sund and	in to 0	intenna (GB)	dyn
DEMONIO SULLE	W	7	
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Photos	+		
2100-2103 N	150 5-	> < -> \\	
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Site ID	1	14CTB -	24	
SGS Field Activity Number (FAN)	2	2014-322-FA (14CTB02	2)	
ate 10/24/14			Day of Year	299
ield Crew			ALV T	
latform		050	Location	back deepe are
Arrival Time (EDT)		1124	Departure Time (EDT)	11:52
atitude	,	38.21695	Longitude	15.15019
Vater Depth (m)		00.000		
landheld GPS used		SANFRO 70	GPS Waypoint	114
SI		SIZITEDED IA	Camera	or HERDYORF
OI .		100		
Sample Type/Sample	1	X, Measure, Time	Sample Type/Sample	X, Measure, Time
OGPS Positioning	1	ri, nioadaro, rimo	Radium Sampling: Mn Fiber	
SPS Reciever Used		(5)	Start Time	
SPS Session ID		and	Stop Time	1.
		5111	Total Volume	
Occupation Time (min)		9	lotal volume	
			Water Quality Parameters	
Surface/Grab			Water Quality Parameters	
egetation/Sediment Type	DINH	3 VED, SHOW	Water Type (estuary, marsh, standing, marsh backfill	
Pentrometer (marsh sites only)			Temperature (o)	1
Shear Strength (kg/cm²) (marsh sites only)			Barometric Pressure (mm Hg)	
orams (preserved, x2)		V,	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI		N,	DO (mg/L)	
Grain Size		V	Specific Conductance (mS/cm)	
Stable Isotopes/Metals		/	Salinity	
Distance from GPS		toloum	pH (-)	
Azimuth from GPS		E	ORP (mV)	
		_		
Marsh Push Core: 4" Polycarbonate Barrel	-		Sand Gouge Core: AMS Sand/Loose Sediment Pi	robe
/egetation Type	/		Barrel Length (cm)	50 cm
Pentrometer			ITGODS (bottom of weld ≈ top of barrel) (cm)	2 (00
Shear Strength (kg/cm²)			Recovered Core Length (cm)	38 cm
Barrel Length (cm)			Core Catcher Used?	no
n-the-Ground Inside Depth to Surface (ITGIDS)	(cm)		Distance from GPS	56cm
n-the-Ground Outside Depth to Surface (ITGOD			Azimuth from GPS	RE
) (CIII)		7 Emilian monitor of	1.06
Compaction (cm)				-
Recovered Core Length (cm)				
Distance from GPS				
Azimuth from GPS				
			To the second	
Marsh Auger Core: Eijkelkamp Peat Sampler			Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections			Recovered Depth (cm)	
Total Core Length (cm)			Distance from GPS	
Distance from GPS			Azimuth from GPS	
Azimuth from GPS				
Notes				
/		to the second se		
				7
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ground Surface to	ar	Henria o	4,02111	
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	10.00			
Photos				
500/6-500	_	1	5. 101	
2014		1 - F -	o Jan	
	1			

iite ID	14СТВ - 382	replicate of 32	(4
ISGS Field Activity Number (FAN)	2014-322-FA (14CTB02		
Date 10/26/14		Day of Year	
field Crew	OW AME		
Platform	054	Location	back dure over
Arrival Time (EDT)	1134	Departure Time (EDT)	11:52
atitude	38,21095	Longitude	75.15015
Vater Depth (m)	0		1.1
Handheld GPS used	SANFORD TO	GPS Waypoint	1140
	3/1/2	Camera	teronto
/SI	13		
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
Jampie Typereampie	74, 1110000117,	Radium Sampling: Mn Fiber	
OGPS Positioning	B	Start Time	
GPS Reciever Used	21111	Stop Time	
	BIIY	Total-Volume	
Occupation Time (min)	5	Total Voiding	
		Water Quality Parameters	
Surface/Grab	6.00	Water Type (estuary, marsh, standing, marsh backfill)	
/egetation/Sediment Type DANE VE 6	SHRUB		
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	V	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	/	DO (mg/L)	-
Grain Size	/	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	/	Salinity	
Distance from GPS	loloum	pH (-)	
Azimuth from GPS	-	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	be
Vegetation Type		Barrel Length (cm)	50 cm
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	5cm
		Recovered Core Length (cm)	47.5 cm
Shear Strength (kg/cm²) Barrel Length (cm)		Core Catcher Used?	100
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	32 cm
In-the-Ground Outside Depth to Surface (FGODS) (cm)		Azimuth from GPS	Nd I-
		72man nom or o	100
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			+
Azimuth from GPS			
	/	at the total state of the state	
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
110100			
avaind Surtace to	antenno	((GPS) ~ 2)	
ground surface to		72.02m	
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Photos			
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2014- 2019	14.17		
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Site ID	14СТВ- 32	5	•
USGS Field Activity Number (FAN)	2014-322-FA (14CTBC		
Date		Day of Year 294	
	10 21		
Field Crew	JEB + CT		
Platform	OSV		ON MD
Arrival Time (EDT)	15127	Departure Time (EDT)	15:40
Latitude	N 38.14360	Longitude W075, 18906	13, 10
	17.		
Water Depth (m)		tan ding	
Handheld GPS used	JUB 765	GPS Waypoint	00-
YSI		Camera JCB AG30	153-156
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	, , , , , , , , , , , , , , , , , , , ,
	100		
GPS Reciever Used	Rec A	Start Time	
GPS Session ID	AOOT.	Stop Time	
Occupation Time (min)	5 MIL	Total Volume	
· · · · · · · · · · · · · · · · · · ·	7		
Surface/Grab		Water Quality Parameters	
			EII)
Vegetation/Sediment Type	Parting	Water Type (estuary, marsh, standing, marsh backt	111)
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)	1300	Barometric Pressure (mm Hg)	
Forams (preserved, x2)		Dissolved Oxygen (DO) (%)	
	7		
Bulk Density/LOI		DO (mg/L)	
Grain Size		Specific Conductance (mS/cm)	
Stable Isotopes/Metals	7	Salinity	
Distance from GPS	75cm	pH (-)	
Azimuth from GPS	21/1	ORP (mV)	
Azimuti ilotti GF3	2/60	OKF (IIIV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment	Probe
Vegetation Type		Barrel Leggth (cm)	
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
Shear Strength (kg/cm²)		Recovered Core Length (cm)	
Barrel Length (cm)	- Contra	Core Catcher Used?	_
In-the-Ground Inside Depth to Surface (ITGIDS) (cr	n)	Distance from GPS	
In-the-Ground Outside Depth to Surface (ITGODS)		Azimuth from GPS	
	(CIII)	AZIMOUT TOTT OF O	
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS	•		
Marsh Auger Core: Eijkelkamp Peat Sampler		Chavel (Dig) Care: AMC Charmshapter Chavel	
		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS		7 Emilian nom or o	
Azimuth from GPS			
Notes			
			1
@ SE+ MARCK ~ back barrier + adj to fires	3.5 M Es atuarine ted/shr	marsh (sparting	sink.
Photos			1
155-156 N-	-> E ->	5-> W from	site
.1			

Site ID	14CTB - 326		
	2014-322-FA (14CTB02	2)	
Date	10/24	Day of Year	297
Field Crew	JCB + ME	MA .	017
Platform	OSV	Location ASIS, Wolcester Co Departure Time (EDT)	, Mn
Arrival Time (EDT)	09:54	Departure Time (FDT)	1119
Latitude	N38.10990	Longitude	W075,18871
Water Depth (m)	1038.10110	Longitude	2075,10071
Handheld GPS used	-07/6	CDC Wayneigh	10.11
YSI	JCB 765	GPS Waypoint	024
31		Camera	
Samula Tara (Oamala	V 11		14.44
	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	Rech	Start Time	
GPS Session ID	A024	Stop Time	
Occupation Time (min)	5min	Total Volume	
	SIMILIS		
Surface/Grab		Water Quality Parameters	
/egetation/Sediment Type	=1.10		
	SAND	Water Type (estuary, march, standing, march backfill)	
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)	-	Barometric Pressure (mm Hg)	
Forams (preserved, x2)	1	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI		DO (mg/L)	
Grain Size	7	Specific Conductance (mS/cm)	
Stable Isotopes/Metals		Salinity	
Distance from GPS	244		
	20 cm	pH (-)	
Azimuth from GPS	5190	ORP (mV)	\
		T	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	
Vegetation Type		Barrel Length (cm)	24".
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	full
Shear Strength (kg/cm²)		Recovered Core Length (cm)	45.5 cm
Barrel Length (cm)		Core Catcher Used?	NO
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	20 Ch
n-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	SH 210
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Should (Dist) Core. AMS Shornshooter Should	
		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (am)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
		1	
Notes			
		T T	T
Bare sand in dep	vession o	n of fan between	n vegetake
punched thru black	c sanl+	n el fan between peat into under	lune
Sand.			
Photos			
DSLR 93-96 N-	> F, -> S	i -> W from sofe	
79-93 site + trend	h photo	5.	
	1		

Site ID	14CTB- 327		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02)		
Date	10/23	Day of Year 296	
Field Crew	JEB + ME	ad a land	
Platform		Location ASIS WITCHER CO	110
	yzo		MD
Arrival Time (EDT)	15:28	Departure Time (EDT)	- C C L -
Latitude	N38.12067	Longitude	W075, 1846=
Water Depth (m)			
Handheld GPS used	JOB 765	GPS Waypoint	017
YSI -		Camera	
		\	
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	mid.	Radium Sampling: Mn Fiber	
GPS Reciever Used	Roch	Start Time	
GPS Session ID	A017	Stop Time	
Occupation Time (min)		Total Volume	
Occupation filtre (filtr)	5 min	Total volume	
Surface/Crah		Motor Ovelity Personators	
Surface/Grab	To A	Water Quality Parameters	
Vegetation/Sediment Type	SAMD+ Wa	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	~	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	1	DO (mg/L)	
Grain Size		Specific Conductance (mS/cm)	
	_	1	
Stable Isotopes/Metals	25	Salinity	1
Distance from GPS	35 CM. NE 035	pH (-)	
Azimuth from GPS	NE 035	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel	David March Rend	Sand Gouge Core: AMS Sand/Loose Sediment Pro-	be
Vegetation Type		Barrel Length (cm)	24"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	10
		Recovered Core Length (cm)	6 cm
Shear Strength (kg/cm²)			41.5cm
Barrel Length (cm)	1 222	Core Catcher Used?	100
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	15 cm.
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	N 020
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS	 		
Azimuth from GPS	-		
Azillidil llolli GF3			
Marsh Auger Core: Eijkelkamp Peat Sampler	TA LA LINE	Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS	\		
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Notes			
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PRINCIPAL DVG -VII	(0.1)	110 (11)	RINDOIC
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Photos			
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200-203 N->, F	-> D-> V	trom site	
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204 french ste			
705 Veg.			
CV 3			

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Site ID	14CTB- 328		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0		
Date	10/24	Day of Year	202
Field Crew			277
Platform	JCB + MEN	Location ASIS . / Alarcaste w	0
Arrival Time (EDT)	OSV	1313100000	Co, Mo
Latitude	17:04	Departure Time (EDT)	- 1016
	N38.118U1	Longitude	W075. 18618
Water Depth (m)		4.5	
Handheld GPS used	JCB 765	GPS Waypoint	040
YSI		Camera	DSUR
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	RecA	Start Time	
GPS Session ID	A040	Stop Three	
Occupation Time (min)	5min	Total Volune	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SANDtres	Water Type (estuary marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)	20100	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mmHg)	
Forams (preserved, x2)	-1	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	1		
Grain Size	7	DO (mg/L)	
	7	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	7	Salinity	
Distance from GPS	40cm	pH (-)	
Azimuth from GPS	W270	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	be
Vegetation Type		Barrel Length (cm)	2411
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	Fen
Shear Strength (kg/cm²)		Recovered Core Length (cm)	your
Barrel Length (cm)		Core Catcher Used?	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	NO
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)		Azimum nom GF3	
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
		9	
Notes			
SAND Auger Sang peoply organic	him veg 1 -> 06 5 26-300	(grassy + shrub) lack sand @ 23 cm m into underlying	sand
Photos			
DSLR 177 SIR pho	10		16
178-181 N-> E-	-> S> h	o from site	
100 Train			· Lat

14CTB - 372		
2014-322-FA (14CTB02	2)	
10 29	Day of Year	305
		1242
MAKO	Location Vaugh & WMA MD	Main lon 2
12:49	Departure Time (EDT)	
N38. 05749	Longitude	W075.3524]
765	GPS Waypoint	091
	Camera	AWIDO
X, Measure, Time	Sample Type/Sample	X, Measure, Time
	Radium Sampling: Mn Fiber	
A.	Start Time	
A091	Stop Time	
5min	Total Volume	
4 .		
	Water Quality Parameters	
Spartna	Water Type (estuary, marsh, standing, marsh back	fill)
1,25	Temperature (°C)	
60.68 \$	Barometric Pressure (mm Hg)	
_	Dissolved Oxygen (DO) (%)	
~	DO (mg/L)	
7	Specific Conductance (mS/cm)	
	Salinity	
1.0m.	pH (-)	
5260	ORP (mV)	
- Love V		
	Sand Gouge Core: AMS Sand/Loose Sediment	Probe
	Barrel Length (cm)	
	ITGODS (bottom of weld ≈ top of barrel) (cm)	
	Recovered Core Length (cm)	
	Core Catcher Used?	
	Distance from GPS	
)	Azimuth from GPS	
	Shovel (Dig) Core: AMS Sharpshooter Shovel	
	Recovered Depth (cm)	
	Distance from GPS	~
1	Azimuth from GPS	
210	Manual Plant	
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	2014-322-FA (14CTBO) 10 2 9 5 8 MEM MAKE N38. 05749 76 S X, Measure, Time A 109 5 MEM 5 26 0	Day of Year Day of Year Day of Year Departure Time (EDI) Camera X, Measure, Time Sample Type/Sample Radium Sampling: Mn Fiber Start Time Stop Time Total Volume Water Quality Parameters Water Type (estuary, marsh, standing, marsh back Temperature (°C) Barometric Pressure (mm Hg) Dissolved Oxygen (DO) (%) DO (mg/L) Specific Conductance (mS/cm) Salinity PH (-) Sand Gouge Core: AMS Sand/Loose Sediment Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm) Recovered Core Length (cm) Core Catcher Used2 Distance from GPS Shovel (Dig) Core: AMS Sharpshooter Shovel Recovered Depth (cm) Distance from GPS

	14CTB - 373		
JSGS Field Activity Number (FAN)	2014-322-FA (14CTE		
		Day of Year	302
Date	10/29 JCB AME	CJW	1 1
Field Crew	DER HMF	Leasting 1/ 1 - 10 IAA A IAA W	manay
Platform	MAKO	Location Vaucha WMA, MD	magnance
Arrival Time (EDT)	12:21 N38.06885	Departure Time (EDT)	112021 000
Latitude	N38.06885	Longitude	MO75.36588
Water Depth (m)	5-10 em		40.5
Handheld GPS used	76 S	GPS Waypoint	090
YSI	Pro +	Camera	
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	ne Rec A	Start Time	
GPS Session ID	A090	Stop Time	
	A0 10	Total Volume	
Occupation Time (min)	5min	Total volume	
		Water Ovelity Peremeters	
Surface/Grab	1	Water Quality Parameters	EII) IM and and
Vegetation/Sediment Type	5 parting	Water Type (estuary, marsh, standing, marsh back	fill) March-Stan
Pentrometer (marsh sites only)	0.25	Temperature (°C)	19,3
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	7613
Forams (preserved, x2)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Dissolved Oxygen (DO) (%)	0.55
Bulk Density/LOI	7	DO (mg/L)	41.25
Grain Size	7	Specific Conductance (mS/cm)	41.25
	7	Salinity	20.001
Stable Isotopes/Metals	-		26,44
Distance from GPS	50 cm	pH (-)	610+
Azimuth from GPS		ORP (mV)	4.406-
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment	Probe
Vegetation Type		Barrel Length (cm)	
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
		Recovered Core Length (cm)	
Shear Strength (kg/cm²)		Core Catcher Used?	
Barrel Length (cm)	m)	Distance from GPS	
In-the-Ground Inside Depth to Surface (ITGIDS) (c			
In-the-Ground Outside Depth to Surface (ITGODS)	(cm)	Azimuth from GPS	
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
	_		
		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Marsh Auger Core: Eiikelkamp Peat Sampler		Recovered Depth (cm)	
Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Tetal Core Length (cm)		Distance from GPS	
Number of Sections Total Core Length (cm)		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS		Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS			
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS			
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS			
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Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartua marsh		Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartua marsh		Azimuth from GPS	
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Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartua marsh		Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartma marsh		Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartma marsh		Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartua marsh		Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartua marsh		Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartma marsh Sample Site approx	15 feet	from conal edge	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartma marsh Sample Site approx	15 feet	from conal edge	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartma marsh Sample Site approx	15 feet	from conal edge	
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Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartma marsh Sample Site approx	15 feet	from conal edge	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartma marsh Sangle Site approx	15 feet	from conal edge	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Spartma marsh Sangle Site approx	15 feet	from conal edge	

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Site ID	14СТВ- 393	S () we will	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02		
		Day of Year	701
Date	10/22	Day of Teal	215
Field Crew	JUB MEN	Location ASIS WITCLESTER	PN AID
Platform	Veo	Location ASIS WITCLETER	CO MCD
Arrival Time (EDT)	11:17	Departure Time (EDT)	(1.73
Latitude	N 38.24456	Longitude	WO75.13501
Water Depth (m)			
Handheld GPS used	JUB 769	GPS Waypoint	013
YSI		Camera	
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	The second second	Radium Sampling: Mn Fiber	
GPS Reciever Used	Rec A	Start Time	
GPS Session ID	A 013	Stop Time	
Occupation Time (min)		Total Volume	
Occupation time (time)	SMIN		
Surface/Grab		Water Quality Parameters	
	1	Water Type (estuary, marsh, standing, marsh back	fill
Vegetation/Sediment Type	Sportina		
Pentrometer (marsh sites only)	1	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	~	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	~	DO (mg/L)	
Grain Size	~	Specific Conductance (mS/cm)	
Stable Isotopes/Metals		Salinity	
Distance from GPS	50 cm	pH (-)	12
Azimuth from GPS	SW 210	ORP (mV)	
	W. L. W.		
Marsh Push Core: 4" Polycarbonate Barrel	A special property and the same	Sand Gouge Core: AMS Sand/Loose Sediment	Probe
Vegetation Type		Barrel Length (cm)	241
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	0.11
1		Recovered Core Length (cm)	41 cm
Shear Strength (kg/sm²)		Core Catcher Used?	41.00
Barrel Length (cm)	`		NO
In-the-Ground Inside Depth to Surface (ITGIDS) (cm		Distance from GPS	1) cm
In-the-Ground Outside Depth to Surface (ITGODS)	(cm)	Azimuth from GPS	N 000
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler	The real state of the state of	Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS		AZIMUM NOM OF O	
AZIIIIuiii IIoiii GFS			
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DSLR 6016 003 A130 184-187	N-7 E-		9
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189 regetation

Site ID	14CTB -	394		4, .
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)		
Date		Day of Year	799	
Field Crew	CTW-AME			
Platform	05V	Location		
Arrival Time (EDT)	121	Departure Time (EDT)		
Latitude	38,2450		75.13663	
Water Depth (m)	10 cm		101.000	
Handheld GPS used	SANFORD 76	GPS Waypoint	116	
YSI	UPS	Camera	ater anone	
101	10)		ace proof	
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time	-
DGPS Positioning		Radium Sampling: Mn Fiber		
GPS Reciever Used	B	Start Time		
GPS Session ID	(B166)	Stop Time		
Occupation Time (min)	5mil	Total Volume		
Surface/Grab		Water Quality Parameters	/	/
Vegetation/Sediment Type	FRINA	Water Type (estuary, marsh, standing, marsh backfi	11) MARSHOT	ANDING
Pentrometer (marsh sites only)		Temperature (°C)	19.0	0.
144		Barometric Pressure (mm Hg)	757.1	
Shear Strength (kg/cm²) (marsh sites only) Forams (preserved, x2)		Dissolved Oxygen (DO) (%)	90.2	
Bulk Density/LOI		DO (mg/L)		
	-		7.16	
Grain Size	V/	Specific Conductance (mS/cm)	30.13	
Stable Isotopes/Metals		Salinity	29.41	
Distance from GPS	Usum	pH (-)	7.34	
Azimuth from GPS	N	ORP (mV)	-166,7	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment F	Probe	
Vegetation Type		Barrel Length (cm)	asem	
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	191 - 100	
		Recovered Core Length (cm)	18000	
Shear Strength (kg/cm²) Barrel Length (cm)		Core Catcher Used?	1001	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	VIC.	
			195cm	
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	55	
Compaction (cm)				
Recovered Core Length (cm)				
Distance from GPS				
Azimuth from GPS				
Marsh Auger Core: Eijkelkamp Peat Sampler	3	Shovel (Dig) Core: AMS Sharpshooter Shovel		7
Number of Sections		Recovered Depth (cm)		
		CONTRACTOR CONTRACTOR CONTRACTOR AND THE SECOND CONTRACTOR CONTRAC		
Total Core Length (cm)		Distance from GPS		
Distance from GPS		Azimuth from GPS		
Azimuth from GPS				
Notes				
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Site ID	14CTB - 395	1 2	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02		-00
Date	70/50	Day of Year	299
Field Crew	JUB+ME"	4	
Platform	12:50	Location	A315
Arrival Time (EDT)	12:50	Departure Time (EDT)	
Latitude	N 38, 24599	Longitude	W075.13490
Water Depth (m)			
Handheld GPS used	765	GPS Waypoint	059
YSI	100	Camera	DEUR
		december 1992 1992 1992 1992 1992 1992 1992 199	
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	/ mest min	Radium Sampling: Mn Fiber	
GPS Reciever Used	Λ	Start Time \	
GPS Session ID	AUSS	Stop Time	
Occupation Time (min)	7031	Total Volume	
occupation rime (min)	Smin		
Surface/Grab		Water Quality Parameters	
	-1.0	Water Type (estuary, marsh, standing, marsh backfill)	
Vegetation/Sediment Type	SANS	Temperature (°C)	
Pentrometer (marsh sites only)			1
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	V	Dissolved Oxygen (DO) (%)	1
Bulk Density/LOI	11	DO (mg/L)	
Grain Size	13.	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	1	Salinity	
Distance from GPS	25 cm	pH (-)	
Azimuth from GPS	NW 300	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	be
Vegetation Type		Barrel Length (cm)	24 cm
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	10 cm
Shear Strength (kg/cm²)		Recovered Core Length (cm)	29.5 cm
Barrel Length (cm)		Core Catcher Used?	PO
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	40 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	NW 300
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			×
Azimutii irom GPS			
Marsh Auger Core: Eijkelkamp Pear Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections	T	Recovered Depth (cm)	
Total Core Length (Cit)			
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
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Photos	71		
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320 -336 Site	1.03		
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see log book	/	395A	
	/	395A	5
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see log book	french	395 A 395	1

Site ID	14CTB - 424	replicate 469	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02		1.
Date	10/24	Day of Year	757
Field Crew	TORTA	NEM . 1	
Platform	120	Location ASIS, Wovers	e. P. M.
Arrival Time (EDT)	17:30	Departure Time (EDT)	17.87
	17:36 N38,11793	Longitude	22/8/12F6 W
Latitude	128111472	Longitude	M 0 121 10022
Water Depth (m)	500 710	000 W	2/11
Handheld GPS used	JeB 765	GPS Waypoint	041
YSI		Camera	DSCIC
			V 14
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	A	Start Time	
GPS Session ID	A041	Stop Time	
Occupation Time (min)	5 mm	Total Volume	
Surface/Grab	196 WWW	Water Quality Parameters	
Vegetation/Sediment Type	SAND	Water Type (estuary, marsh, standing, marsh backfil	1)
Pentrometer (marsh sites only)	34-0	Temperature (°C)	
	-	Barometric Pressure (mm Hg)	
Shear Strength (kg/cm²) (marsh sites only) Forams (preserved, x2)	LI VIII	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	701	DO (mg/L)	1
	7 (34)	property and the second	1
Grain Size	1 (xc)	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	Se (XF)	Salinity	
Distance from GPS	35 cm	pH (-)	
Azimuth from GPS	NO15	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment P	robe
Vegetation Type	A STREET STREET	Barrel Length (cm)	24"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	9cm
Shear Strength (kg/cm²)		Recovered Core Length (cm)	37,5 cm
Barrel Length (cm)		Core Catcher Used?	NU
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	20Cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	1015
Compaction (cm)			70075
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
		Character Character Character Character	
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
	. 0		
barcsand near el	se ot 0	vernaby roc	. 1
barcsant near el DaPS A042/042	0 1		1 4
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SAND Anger orga	n.c in		
SAND Anger orga			
SAND Anger organ			
SAND Auger organ Photos DSLP 184 to site 185-188 N->E->S	S-DW fr		
Photos DSLP 184 to site 185-188 N->E->S	S-DW fr		
SAND Anger organ	S-DW fr		

	14CTB- 425.		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0		
Date	10/24	Day of Year	297
Field Crew	JOB + MEI	M ,	
Platform	OSV	Location ASIS, Worcesey	Co. mp
Arrival Time (EDT)	16:32	Departure Time (EDT)	
Latitude	N38.11777	Longitude	W075. 18599
Water Depth (m)			, , , , ,
Handheld GPS used	JUB 765	GPS Waypoint	039
YSI	_	Camera	
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	- 1	Radium Sampling: Mn Fiber	
GPS Reciever Used	H	Start Time	
GPS Session ID	A039	Stop Time	
Occupation Time (min)	5min	Total Volume	
Sunfa as /Ours		Make Out I'm Barrier	
Surface/Grab	24 5	Water Quality Parameters	
Vegetation/Sediment Type	SAND	Water Type (estuary, marsh standing, marsh backfill)	-
Pentrometer (marsh sites only)		Temperature (°C)	-
Shear Strength (kd/cm²) (marsh sites only) Forams (preserved, x2)		Barometric Pressure (mm Hg) Dissolved Oxygen (DO) (%)	-
Bulk Density/LOI	7	DO (mg/L)	
Grain Size	7	Specific Conductance (mS/cm)	-
Stable Isotopes/Metals	7	Salinity	
Distance from GPS	40 cm	pH (-)	1
Azimuth from GPS	11 28 5	ORP (mV)	-
· ·	IN 200	(mx)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	obe
Vegetation Type		Barrel Length (cm)	12111
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	Fom
Shear Strength (kg/cm²)		Recovered Core Length (cm)	38 cm
Barrel Length (cm)		Core Catcher Used?	NO
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	30 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	W285
Compaction (cm)			,
Recovered Core Length (cm)		,	
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)	,	Distance from GPS	
Distance from GP\$		Azimuth from GPS	
Azimuth from GPS			
Azimuth from GPS		_	
Azimuth from GPS Notes			
Azimuth from GPS Notes	+ 500.50	We conserve	
Azimuth from GPS Notes	+ sparse	veg grasses	
Azimuth from GPS Notes	t sparse ker ver	veg grasses adsocut S+N	4
Notes Overwash fam SAND 1" depression," thic	+ sparse ker reg	veg grasses adjacent S+N	
Notes Overwash fam SAND 1" depression," thic	+ sparse ker reg	veg grasses adjacent S+N	27~7/
Notes Notes Overwash fam SAND In "depression," thic	+ sparse ker reg e-brown	veglgrasses adjacent S+N organic-rich horr	2m 32~36
Notes Notes Overwash fam SAND In "Lepression," thic SAND Augur Olive	e-brown	veglgrasses adjacent S+N organic-rich horr	zm 32~36
overwash fam SAND	e-brown	veglgrasses adjacent s+N organic-rich horr	zm 32~36
overwash fam SAND 1" Lepression," thic SAND Auger olive	e-brown	veglgrasses adjacent s+N organic-rich horr	zm 32~36
overwash fam SAND 1" Lepression," thic SAND Auger olive	e-brown	veglgrasses adjacent s+N organic-rich horr	zm 32~36
Azimuth from GPS Notes Overwash fam SAND In "depression," thic SAND Auger olive marsh surface?	e-brown	veglgrasses adjacent s+N organic-rich hrrs	zm 32~36
Notes Notes Overwash fam SAND In "depression," thic SAND Auger olive marsh surface?	e-brown	veglgrasses adjacent s+N organic-rich hrrs	zm 32~36
Notes No	e-brown	veglgrasses adjacent s+N organic-rich hrrs	zm 32~36
Azimuth from GPS Notes Overwash fam SAND In "depression," thic SAND Augur olive marsh surface? Photos DSLR 171 Site photo	e-brown	organic-rich hor	zm 32~36
Azimuth from GPS Notes Overwash fam SAND In "depression," thic SAND Augur olive marsh surface? Photos DSLR 171 Site photo	e-brown	organic-rich hor	32~36 c
Photos DSLR 171 SITE Photo 172-174 N-NE->	E-DS-	>w from site	zm 32~36
Photos DSLR 171 SITE Photo 172-174 N-NE->	E-DS-	>w from site	32~36 c
Notes For wash fam SAND In "depression," thic SAND Augur olive marsh surface? Photos DSLR 171 Site photo	E-DS-	>w from site	32~36 c

Site ID	14CTB - 427		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB)	02)	
Date	10/24	Day of Year	297
Field Crew	JUB + MEN	4	
Platform	031	Location ASIS, Worcester	CO. MA
Arrival Time (EDT)	15:52	Departure Time (EDT)	
Latitude	N 38 11633	Longitude	W075, 18618
Water Depth (m)	7.08 11002	A	100.0
Handheld GPS used	JCB 765	GPS Waypoint	038
YSI	000 700	Camera	181.12
		Carrota	JACIC
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	A, Medsure, Time	Radium Sampling: Mn Fiber	A, measure, Time
GPS Reciever Used	0 0	Start Time	
GPS Session ID	Coc A		
	A038	Stop Time	
Occupation Time (min)	Smin	Total Volume	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
0		144.	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SAND + Veg.	Water Type (estuary, marsh, standing, marsh back	(TIII)
Pentrometer (marsh sites only)	- 1	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)	- 0	Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	7	DO (mg/L)	
Grain Size	7	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	7	Salinity	
Distance from GPS	25 cm	pH (-)	
Azimuth from GPS	SE 145	ORP (mV)	
		when the state of	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment	Probe
Vegetation Type		Barrel Length (cm)	011"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	6711
Shear Strength (kg/cm²)		Recovered Core Length (cm)	4500
Barrel Length (cm)		Core Catcher Used?	.,-
In-the-Ground Inside Death to Surface (ITGIDS) (cm)			No
		Distance from GPS	
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	-
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
- 1 1			
Sandy N Sparse v	66		
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Sand avenue	V <11	(+10. 10. magnit	ne 45 cm
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#2 1/2000 110	CG.		
112 40 cm, 49	-010	iface no organic	
- 1	11 -	n) but no true peal	1-79
Mamily (10012	4 PLON	n) but no true peal	then god
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Photos			
Photos			
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DSLR 163-164 Site P	poton		
165-168 N-> E-	2 (->1	D C	
102-108 10-51	000	- from site	
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44.0			
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168 is along of	Toe		

Site ID	14CTB- 428		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	
Date	10/24	Day of Year	297
Field Crew	JEB + MEN	1	
Platform	030	Location ASIS Worase	v (o M)
Arrival Time (EDT)	15:03	Departure Time (EDT)	15:45
Latitude	N38, 11538	Longitude	W075.18672
Water Depth (m)	1000111370		WO 13. 100 12
Handheld GPS used	JCB 76 S	GPS Waypoint	035
YSI	J CD 10 3	Camera	DSLR
131		Carriera	323016
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	ry moudain, imi	Radium Sampling: Mn Fiber	7,11000000,11110
GPS Reciever Used	ROCA	Start Time	
GPS Session ID	A . 35	Stop Time	
Occupation Time (min)	5 min	Total Volume	
occupation time (min)	2000	Total volume	
Surface/Grab		Water Quality Parameters	
	Ch103114	Water Type (estuary, marsh, standing, marsh backf	SII)
Vegetation/Sediment Type	SANDIVER	Temperature (°C)	""/
Pentrometer (marsh sites only)	= 0	The state of the s	
Shear Strength (kg/cm²) (marsh sites only)	,	Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI		DO (mg/L)	
Grain Size	_	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	250	Salinity	
Distance from GPS	35 cm	pH (-)	
Azimuth from GPS	3180	ORP (mV)	
			7
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment I	Probe
Vegetation Type		Barrel Length (cm)	24"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	full
Shear Strength (kg/cm²)		Recovered Core Length (cm)	44 cm
Barrel Length (cm)		Core Catcher Used?	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	40cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	5.200
Compaction (cm)			0000
Recovered Core Length (cm)			
Distance from GPS	1		
Azimuth from GPS			
/ Limiter nom or o			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections	T TOTAL TOTA	Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS	 	Azimuth from GPS	
Azimuth from GPS		AZIIIdii Ilolii GF3	
Azimuth from GPS			
Notes			
Notes	T The state of the		
		1112	
5AND + SPARSE LE & DGPS GPS A036 038	, incl. se	rub shrub,	
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DGPS GPS A036 1039	of toe	In Veg Sandy s	son! not ma
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SAAD AND IT A I	1 0.		
Shows Auger 0-4	7 cm n	organic s	- 7.
\$400 Auger 0-4 # 2 58 cm - 95 cm	127	0-01/20 1/20 00000	2 210000
# 2 58 cm - 45 cv	~ (Stcn	care render)	· quilles
		9	
Photos			
DSLR 155-15651te pix	157-	159 see log book	
33 145/16		10 000K	
160-162 trench		V	
160-102 110000			

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Site ID	14CTB - 42G		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	
Date	10/23	Day of Year 29(
Field Crew	JCB + ME		
Platform	JOSTME	Location ASIS, Wrang CO M	Λ.
Arrival Time (EDT)	OSV	Departure Time (EDT)	Ψ
	12:12		1
atitude	NS8.12077	Longitude W 075. 1849	
Vater Depth (m)	700:0		<u> </u>
landheld GPS used	JUB 765	GPS Waypoint	015
/SI		Camera	
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
OGPS Positioning	ry moderney rance	Radium Sampling: Mn Fiber	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
GPS Reciever Used	DCAA	Start Time	T
SPS Session ID	RECA	Stop Time	
	ADIS	-	
Occupation Time (min)	Smin	Total Volume	
urface/Grab		Water Quality Parameters	
	-A - 1.10.	Water Type (estuary, marsh, standing, marsh backfill)	
/egetation/Sediment Type	STOTURE		1
Pentrometer (marsh sites only)	-	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	-
Forams (preserved, x2)	1	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	7	DO (mg/L)	
Grain Size		Specific Conductance (mS/cm)	
Stable Isotopes/Metals	1	Salinity	1
Distance from GPS	25 cm	pH (-)	
Azimuth from GPS	11 250	ORP (mV)	
b	W 230		
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	be
/egetation Type		Barrel Length (cm)	74"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	9.5 cm
Shear, Strength (kg/cm²)		Recovered Core Length (cm)	38cm
Barrel bength (cm)	77	Core Catcher Used?	No
		Distance from GPS	
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)	-	35 O T 15 T 10	Hoch
n-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	2M40
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Death (cm)	
		Distance from GPS	
Total Core Length (cm)			
Distance from GPS		Azimuth from GPS	
Azimuth from GPS	00	1	
Motos			
Notes			
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Photos			
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199 ~W TI TOR	of two	Nom SIL	
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Site ID	14СТВ - 430	177-501	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02		1201-
Date	10/23	Day of Year	296
Field Crew	JCB+M	EM	1418
Platform	0511	Location ASIS WUY CESTEN (0,	MD
Arrival Time (EDT)	13:23	Departure Time (EDT)	
Latitude	N38, 12053	Longitude W075, 18427	
Water Depth (m)	7 301 7-033		
Handheld GPS used	JCB 765	GPS Waypoint	018
	300 103	Camera	
YSI			
Sla Tuna/Sampla	X, Measure, Time	Sample Type/Sample	X, Measure, Time
ounipie Typerounipie	A, Micasaro, Timo	Radium Sampling: Mn Fiber	
DGPS Positioning	124	Start Time	
GPS Reciever Used	Rect		
GPS Session ID	H018	Stop Time	
Occupation Time (min)	5m-L	Total Volume	
Surface/Grab	•	Water Quality Parameters	
Vegetation/Sediment Type	SAND	Water Type (estuary, marsh, standing, marsh backfill)
Pentrometer (marsh sites only)	-	Temperature (°C)	
	*	Barometric Pressure (mm Hg)	
Shear Strength (kg/cm²) (marsh sites only)		Dissolved Oxygen (DO) (%)	
Forams (preserved, x2)	1	DO (mg/L)	
Bulk Density/LOI	7	Specific Conductance (mS/cm)	
Grain Size	7	1	
Stable Isotopes/Metals		Salinity	1
Distance from GPS	25 cm	pH (-)	•
Azimuth from GPS	5/75	ORP (mV)	
	- 10		
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pl	robe
		Barrel Length (cm)	1
Vegetation Type		ITGODS (bottom of weld ≈ top of barrel) (cm)	
Pentrometer		Recovered Core Length (cm)	48 47 14
Shear Strength (kg/cm²)			10, 700
Barrel Length (cm)		Core Catcher Used?	11 - 1
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)	N. I. Alfan	Distance from GPS	16-20 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Marsh Auger Core: Elikelkamp Peat Sampler			
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Azimuti ilom or o	-04		- 44
			-
Notes			
			1
2 x Sand auge		J. to more vegetate 48 cm for surt	^
42-74 cm fr	m water	rtable.	
Photos			
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Site ID	14СТВ- ЦЗ	Replicate 470	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	nepricate 110	
Date	10/23	Day of Year	29/
Field Crew	JUB 7 ME		616
Platform		Location ASIS, Worcester (1 44 1
1	JOSU	Departure Time (FDT)	0 MD
Arrival Time (EDT)	13:51	Departure Time (EĎT)	14:25
Latitude	N38-12040	Longitude	W075.18386
Water Depth (m)			
Handheld GPS used	JCB 765	GPS Waypoint	019
YSI		Camera	
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X. Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	ry medeate, time
GPS Reciever Used	REC A	Start Time	
GPS Session ID	A	Stop Time	
Occupation Time (min)	A019	Total Volume	
Occupation Time (min)	SMIN	Total volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SANDIVER	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)	7	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)	0	Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7 X4	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	~ X2	DO (mg/L)	
Grain Size	N X2	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	×2	Salinity	
Distance from GPS	35 Cm.	pH (-)	
Azimuth from GPS	E100	ORP (mV)	
			-
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	
Vegetation Type		Barrel Length (cm)	2411
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	37 PMA
Shear Strength (kg/cm²)	140	Recovered Core Length (cm)	29 cm
Barrel Length (cm)		Core Catcher Used?	NO
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	25 an
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	MF 120
Compaction (cm)			DE 120
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Azimuti ilolii GF3			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS	-	Azimuth from GPS	
Azimuth from GPS		Azimuti ilom or o	
7 Ematrion of 6			
Notes			
rear crest of Jun hard pack @ ~ 3 with sand anger	e "humi 32 cm	m?) nock" could not punch t	hrongh
9			
Photos			
A630 210-213 N-			ì
214-215 E to S elevation cha	nge Tron	n IX, Inoc Tu	rapmy

Site ID	14СТВ - 432	2 1 1 10 10 10 10 10 10 10 10 10 10 10 10	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0	2)	
Date Date			
Field Crew	1023	Day of Year	296
	JCB + ME		
Platform	VZO	Location ASIS Wolcester Co	MD
Arrival Time (EDT)	15:08	Departure Time (EDT)	
_atitude	N38, 11947	Longitude	WU75.18435
Water Depth (m)			MO 12:10 102
Handheld GPS used	JCB 763	GPS Waypoint	An a
YSI	300 763	Camera	020 A630. DSLR
		Calliela	A63U, DSLR
Sample Type/Sample	V Massure Time	0	T
DGPS Positioning	X, Measure, Time	Sample Type/Sample	X, Measure, Time
		Radium Sampling: Mn Fiber	
GPS Reciever Used Rune	Kect	Start Time	
GPS Session ID	A020	Stop Time	
Occupation Time (min)	5min	Total Volume	
	2000		
Surface/Grab		Water Quality Parameters	
egetation/Sediment Type	CALL		
	SAND	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)	-	Barometric Pressure (mm Hg)	
orams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	~	DO (mg/L)	
Grain Size		Specific Conductance (mS/cm)	
Stable Isotopes/Metals			
Distance from GPS	25	Salinity	
	25 cm	pH (-)	
Azimuth from GPS	SSE 160	ORP (mV)	
larsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro-	be
egetation Type		Barrel Length (cm)	248
entrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	Full
hear Strength (kg/cm²)		Recovered Core Length (cm)	
Barrel Length (cm)			36.5 cm
		Core Catcher Used?	NO
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	15 cm.
n-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	SE 150
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
azimuth from GPS			
Emilian for o			
Acres Acres Come Fille II De 10		Shovel (Dig) Core: AMS Sharpshooter Shovel	
		Recovered Depth (cm)	
lumber of Sections			
lumber of Sections lotal Core Length (cm)		Recovered Depth (cm) Distance from GPS	
lumber of Sections otal Core Length (cm) pistance from GPS		Recovered Depth (cm)	
lumber of Sections otal Core Length (cm) Distance from GPS		Recovered Depth (cm) Distance from GPS	
lumber of Sections otal Core Length (cm) bistance from GPS uzimuth from GPS		Recovered Depth (cm) Distance from GPS	
Aumber of Sections otal Core Length (cm) Distance from GPS szimuth from GPS		Recovered Depth (cm) Distance from GPS	
Number of Sections Fotal Core Length (cm) Distance from GPS Azimuth from GPS		Recovered Depth (cml) Distance from GPS Azimuth from GPS	
Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	pvessimi"	Recovered Depth (cml) Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS	ovessim"	Recovered Depth (cml) Distance from GPS Azimuth from GPS	es
Number of Sections Fotal Core Length (cm) Distance from GPS Azimuth from GPS	pvessim"	Recovered Depth (cml) Distance from GPS Azimuth from GPS	es I sand
Jumber of Sections Total Core Length (cm) Distance from GPS Eximuth from GPS	evessim"	Recovered Depth (cml) Distance from GPS Azimuth from GPS	es sand
lumber of Sections otal Core Length (cm) bistance from GPS czimuth from GPS	evession" from	Recovered Depth (cml) Distance from GPS Azimuth from GPS	es sand
lumber of Sections fotal Core Length (cm) Distance from GPS szimuth from GPS	pressini" !	Recovered Depth (cml) Distance from GPS Azimuth from GPS	es sand
lumber of Sections otal Core Length (cm) istance from GPS zimuth from GPS	from	Recovered Depth (cml) Distance from GPS Azimuth from GPS	es sand
lumber of Sections otal Core Length (cm) bistance from GPS czimuth from GPS	from 1,5 cm	Recovered Depth (cml) Distance from GPS Azimuth from GPS	es sand cm
lumber of Sections otal Core Length (cm) bistance from GPS czimuth from GPS	prissini" from 1,5 cm	Recovered Depth (cm) Distance from GPS	es sand cm
Jumber of Sections Jotal Core Length (cm) Distance from GPS Lizimuth from GPS Jotes Joseph Jin "dep Sourface Sand auger Zond Sand auger (depth 41-7-	from from 1,5 cm	Recovered Depth (cml) Distance from GPS Azimuth from GPS	es sand cm
Joseph General Reports Sand augen Znd Sand augen (Japh 41-7-		Recovered Depth (cmt) Distance from GPS Azimuth from GPS Solo recovery to he wet Sand Ine 363 Plugged in organi	
Surface Sand auger Znd Sand auger (depth 41-7-		Recovered Depth (cmt) Distance from GPS Azimuth from GPS Solo recovery to he wet Sand Ine 363 Plugged in organi	
Jumber of Sections Jotal Core Length (cm) Jistance from GPS Jotes Jove Sand In "dep Sourface Sand au Zond Sand augen (depth 41-7-		Recovered Depth (cmt) Distance from GPS Azimuth from GPS Solo recovery to he wet Sand Ine 363 Plugged in organi	
Jumber of Sections otal Core Length (cm) istance from GPS zimuth from GPS Jorfa ce sand an Znd sand auger (depth 41-7- hotos	>E->5-	Distance from GPS Azimuth from GPS Azimuth from	
bere sand in 'der Surface sand auger Znd sand auger (depth 41-7- hotos	>E->5-	Distance from GPS Azimuth from GPS Azimuth from	
bere sand in 'der Surface sand auger Znd Sand auger (depth 41-7- hotos	>E->5-	Recovered Depth (cmt) Distance from GPS Azimuth from GPS Solo recovery to he wet Sand Ine 363 Plugged in organi	

Site ID	14СТВ - 433		,
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	
Date	1123	Day of Year	296
Field Crew	JCB + ME	M	
Platform	05V	Location ASIS Vorcester Co	MD
Arrival Time (EDT)	15:41	Departure Time (EDT)	
Latitude	N 38.11859	Longitude	WU75, 18491
Water Depth (m)		·	
Handheld GPS used	JUR 765	GPS Waypoint	021
YSI	793	Camera	A630 DSLP
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	Rec A	Start Time	
GPS Session ID	A021	Stop Time	
Occupation Time (min)	5 MIN	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SAND	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Shear Strength (kg/cm²) (marsh sites only) Forams (preserved, x2)		Dissolved Oxygen (DO) (%)	
Bulk Density/LOI		DO (mg/L)	
		Specific Conductance (mS/cm)	
Grain Size	1	Salinity	
Stable Isotopes/Metals	25.		
Distance from GPS	35 cm	pH (-)	
Azimuth from GPS	5 185	ORP (mV)	
1 1 2 1 0 1 W 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Sand Gouge Core: AMS Sand/Loose Sediment Pro	ho
Marsh Push Core: 4" Polycarbonate Barrel		Barrel Length (cm)	0//1/
Vegetation Type		ITGODS (bottom of weld ≈ top of barrel) (cm)	79.11
Pentrometer			-101
Shear Strength (kg/cm²)		Recovered Core Length (cm)	Sian
Barrel Length (cm)		Core Catcher Used?	NO
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	do cho
In-the-Ground Outside Depth to Surface (ITGODS) (cm))	Azimuth from GPS	5190
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			,
Azimuth from GPS			
		at 1/0: 10 AND Observation Should	
Marsh Auger Core: Eijkelkamp Peat Sample		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
	1		
Notes			
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BAR Sand In OW	Cepress	In between vector	og omnes
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Photos		0 1	
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HU50 LLI- LLY N	1 K->7 -	->N TIME SILC	
201	(DO 1		
224 15 along	GIL TIA		
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Site ID	14СТВ - 434		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	
Date	10/23	Day of Year	296
Field Crew	JCB, MEN		
Platform	ASV	Location ASIS Worcester Cu,	MD
Arrival Time (EDT)	05V	Departure Time (EDT)	
Latitude	N38.11769	Longitude	W075.18536
Water Depth (m)	1428-11-167	Longitudo	W 73.10376
Handheld GPS used	700 7/6	GPS Waypoint	023
	JCB 765		023
'SI		Camera	
Samula Time (Cample	V Massura Time	Sample Type/Sample	V Massura Time
	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	A .	Radium Sampling: Mn Fiber	_
GPS Reciever Used	Rec A	Start Time	
GPS Session ID	AU23	Stop Time	
Occupation Time (min)	5min	Total Volume	
Surface/Grab	T	Water Quality Parameters	
Vegetation/Sediment Type	SAND	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)	2161-19	Temperature (°C)	
		Barometric Pressure (mm Hg)	
Shear Strength (kg/cm²) (marsh sites only)	_	Dissolved Oxygen (DO) (%)	,
Forams (preserved, x2)	7	70 1111	
Bulk Density/LOI	~	DO (mg/L)	
Grain Size	>	Specific Conductance (mS/cm)	\
Stable Isotopes/Metals	~	Salinity	
Distance from GPS	30 cm	pH (-)	1
Azimuth from GPS	W270	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	
Vegetation Type	- 1	Barrel Length (cm)	24"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	A Company of the
Shear Strength (kg/cm²)		Recovered Core Length (cm)	Section Co.
Barrel Length (cm)		Core Catcher Used?	NU
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	35 am
n-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	WNW 300
		Azimuti iloiti GF3	MINN 200
Compaction (cm)			
Recovered Core Length (cm)			1
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler	To all the	Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (om)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS	No.	Azimuth from GPS	
Azimuth from GPS	1		
- Lancon Home of O			
Notes			
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	1		
Last of	esotate 1	ing mines to BE a	1.0
Torget on crest of	Telatec a	ine mored to BE a nountered hard pack ace of penetrating orga	e jacant
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D 11 1 5	1/2 1/4	L I I'	LAVA
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ca laugur taile	L; 2x	ented @ 35cm re	1
Sand unger	1	1 1 0 20	. 1
Sand aneer from	hot sold	contect 10 35 cm va	sinerec o
Sunt unger Trink	her Jano	0 0000	
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Photos			
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225-228 N->F->W	-> c trom	1 cite	
552-558 N-E->M	-> s from	n site	
225-228 N-E->W	-> s from	n site	
229 - Sito target S	>s from	n site	
229 -Sito target S	-> s from	n site	

Site ID	14СТВ - 436		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0	2)	
Date	10/24	Day of Year	297
Field Crew	JUBY MEM	,	017
Platform	05V	Location ASIS LA LOCALE	10 N. N
Arrival Time (EDT)		Departure Time (EDT)	Co, Mr
Latitude	13:38		14.15
	N38.11282	Longitude	W075, 18712
Water Depth (m)	70.710		•
Handheld GPS used YSI	JUB 765	GPS Waypoint Camera	034
101		Carriera	0542
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	Rec A	Start Time	
GPS Session ID	A034	Stop Time	
Occupation Time (min)	5min	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	aret sand	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	73	DO (mg/L)	
Grain Size	-	Specific Conductance (mS/cm)	
Stable Isotopes/Metals		1	
Distance from GPS	25	Salinity	
	35 am	pH (-)	
Azimuth from GPS	N = 355	ORP (mV)	7
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	ho
Vegetation Type		Barrel Length (cm)	00 1/ 1/
Pentrometer			24,
		ITGODS (bottom of weld ≈ top of barrel) (cm)	+ill!
Shear Strength (kg/cm²)		Recovered Core Length (cm)	49 cm
Barrel Length (cm)		Core Catcher Used?	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	25 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	N 310
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
	1		
Marsh Auger Core: Eijkelkamp Reat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)	1	Distance from GPS	
Distance from GPS		Azimuth from GPS	-
Azimuth from GPS		A Estimation of the	
}			
Votes			
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Photos			
148 Cd 2000			
148 Site p1x		, , , , , , , , , , , , , , , , , , , ,	
149-152 N-> E-	5 (1		
144-156 10-36	- > - > W	Trom Site	2 7.)
1			
153-154 trench			
133			1



Site ID	14СТВ - 437		
JSGS Field Activity Number (FAN)	2014-322-FA (14CTB0	2)	
Date *	10/24	Day of Year	297
Field Crew	JUB+ MEM	(A 1 A	
Platform	DSV	Location ASIS, Wordsler	CMD
Arrival Time (EDT)	13:12	Departure Time (EDT)	
Latitude	N38, 11292	Longitude	NO75.18764
Water Depth (m)	1		
Handheld GPS used	JUB 765	GPS Waypoint	032 DSLR.
YSI		Camera	DSLR
Sample Type/Sample	X, Measure, Time		X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	RecA	Start Time	
GPS Session ID	A032	Stop Time	
Occupation Time (min)	5min	Total Volume	
		West of the Board	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SAND	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)	-	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	~	DO (mg/L)	
Grain Size	~	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	25	Salinity	
Distance from GPS	25 cm	pH (-)	
Azimuth from GPS	MW 1310	ORP (mV)	
March Duch Core, dli Bahrashar eta Barrat		Sand Gouge Core: AMS Sand/Loose Sediment Pro	ha
Marsh Push Core: 4" Polycarbonate Barrel			De N
Vegetation Type		Barrel Length (cm) ITGODS (bottom of weld ≈ top of barrel) (cm)	29 11
Pentrometer		Recovered Core Length (cm)	26.5 cm
Shear Strength (kg/cm²)	-	Core Catcher Used?	
Barrel Length (cm) In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	25 cm
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Azimuth from GPS	NW 300
		Azimuthionici o	WM 200
Compaction (cm) Recovered Core Length (cm)			
Distance from GPS			1.0
Azimuth from GPS			
AZIMUUN IIOM GF3			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS	1	Azimuth from GPS	
Azimuth from GPS	1		
AZIMUUT IIOM OF O			
Notes			
torret on side of e	vass, "k	noll"	4 .
target on side of a	rassy "k	noll" + 1 Hais	
target on side of a	vassy "k Poverbash	noll" a lgacent to this,	(4
target on side of e Sample from bare	vassy "k overwash	noll" a locate to this,	knoll
TOPLIGES A033/03	3 trom	crest of vegetated	knoll
* PLIGPS A033/03	3 trom	crest of vegetated	knoll
DGPS/GPS A033/03 5AND Ager - NO 01	3 from	to 26.5 cm	knoll 1 25
* PLIGPS A033/03	3 from	to 26.5 cm	knoll sand 25
SAND Ager - NO OF 2nd try from 250	3 from	to 26.5 cm	Knoll Sand 25
DGPS/GPS A033/03 5AND Ager - NO 01	3 from	to 26.5 cm	knoll Sand 25
Daps Gps A033/03 SAND Ager - NO OD 2nd try from 250 Photos DSLR 139-140 Site	rganics to recor	erest of vegetated	knoll Sand 25
Daps Gps A033/03 5AND Ager - NO OD 2nd try from 25C Photos DSLR 139-140 Site	rganics to recor	erest of vegetated	knoll Sand 25
Daps Gps A033/03 SAND Ager - no or 2nd try from 250 Photos	rganics to recor	erest of vegetated	knoll Sand 13

Site ID	14СТВ - 438		
USGS Field Activity Number (FAN)	2014-322-FA (14CTBC		4)
Date	10/24	Day of Year	297
Field Crew	JOB + MEI		1
Platform	1000	Location ASIS, Wircester	C, MD
Arrival Time (EDT)	12:08	Departure Time (EDT)	11110
atitude	12.08		11076 18001
	N38.11261	Longitude	WU75.18881
Nater Depth (m)			- 6/
Handheld GPS used	JCB 76S	GPS Waypoint	028
YSI		Camera	DSLR
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	RecA	Start Time	
GPS Session ID	AUZ8	Stop Time	
Occupation Time (min)	5 MIN	Total Volume	
occupation time (min)	SWILL	Total Volume	
S		Martin Overlite Personnet	
Surface/Grab		Water Quality Parameters	_
/egetation/Sediment Type	SAND	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	7	DO (mg/L)	
Grain Size		Specific Conductance (mS/cm)	1
Stable Isotopes/Metals	-	Salinity	
	941 011		
Distance from GPS	20 cm	pH (-)	1
Azimuth from GPS	2M 550	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	
/egetation Type		Barrel Length (cm)	24"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	8 cm
Shear Strength (kg/cm²)	,	Recovered Core Length (cm)	33.5 cm
		Core Catcher Used?	
Barrel Length (cm)			NO
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	35 cm
n-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
	1		
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	T
otal Core Length (cm)		Distance from GPS	-
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			,
lotes		.21 &	
		20. 12% - 44	
toe of olwfan. @ edge of sparitu DGPS/GPS A029/0	Sandy	w/ sparse veg.	
SAMO Auger recorn	red pead	+ thru to underlying	sand.
Photos			
DSLR 118-122 Site F	shotus +	trench	
123-126 N-> E-> S	-> W In	m site	t
127 toe + marsh		1 0.	

Site ID	14CTB - 4439	4 191 10 10	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB)	02)	
Date	10/24	Day of Year	297
Field Crew	JCB+ MEM	11. 1. 1. 1. 2.	
Platform	OSV	Location ASIS, Horceste	r Co. Mr
Arrival Time (EDT)	12:40	Departure Time (EDT)	
Latitude	N38.11305	Longitude	W075, 18859
Water Depth (m)	-		
Handheld GPS used	JCB 76 S	GPS Waypoint	030
YSI		Camera	DSLR
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	Rec-A	Start Time	
GPS Session ID	A030	Stop Time	
Occupation Time (min)	SMIN	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SAND	Water Type (estuary, marsh, standing, marsh backf	ill)
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)	***************************************	Barometric Pressure (mm Hg)	
Forams (preserved, x2)		Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	- 3	DO (mg/L)	
Grain Size		Specific Conductance (mS/cm)	
Stable Isotopes/Metals	7	Salinity	
Distance from GPS	15 cm	pH (-)	
Azimuth from GPS	Wa75	ORP (mV)	,
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment F	
Vegetation Type		Barrel Length (cm)	24"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	7 cm
Shear Strength (kg/cm²)		Recovered Core Length (cm)	36,5 cm
Barrel Length (cm)		Core Catcher Used?	NO
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	25 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	W275
Compaction (cm)			Septime.
Recovered Core Length (cm)			* * * * * * * * * * * * * * * * * * * *
Distance from GPS			udh Gron
Azimuth from GPS			
March Augus Core, Fille II.		1-	
Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections		Shovel (Dig) Core: AMS Sharpshooter Shovel	
		Recovered Depth (cm)	
Total Core Length (cm) Distance from GPS		Distance from GPS	
	1	Azimuth from GPS	
Azimuth from GPS			
lotes		All Bases	
iotes	- Sir A		
the of oversial C	700	to sparting (sp?) varsh ~ 2m from	1
TOU OF OUGHASL TO	in adj	to sparting (Sp!)	marsh.
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underlying Sa	110		
Vitalina Sa	,		
hotos			
7000	1 4 1		
DSLR. 128-129 ST	ite photo	9	4 1 1 1 1 2 1
130-133 N->E-			
. 1		from site	- 1 1 - 1
134-137 trench			
1	7		
138 to march			-
130 10 10000 300			

Site ID	14СТВ - 440	r V VI.	
11000 5: 111 4: 1: 11 11 (511)	1 1 - 1		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	·	
Date	10/21	Day of Year 294	
Field Crew	JCB + CJ 1	2 + 8	_
Platform	OSV	Location ASIS, 1) No locate V	C. 010
Arrival Time (EDT)	13:40	Departure Time (EDT)	(0.1175)
			13.47
Latitude	N38.11267	Longitude W075, 18997	
Water Depth (m)		4.4.74	
Handheld GPS used	JCR 765	GPS Waypoint Go 4	
YSI 3 - 3	100	Camera JCB AL30	137-141
		76 76	
Samula Tuna/Samula	V Massura Time	Cample Type/Cample	V Manaura Timo
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	-A	Start Time	
GPS Session ID	A004	Stop Time	
Occupation Time (min)			
occupation filme (min)	Smins	Total volume	
Surface/Grab		Water Quality Parameters	
/egetation/Sediment Type	contina!	Water Type (estuary, marsh, standing, marsh back	kfill)
Pentrometer (marsh sites only)	3	Temperature (°C)	
		Barometric Pressure (mm Hg)	
Shear Strength (kg/cm²) (marsh sites only)			
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	_	DO (mg/L)	
Grain Size	-	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	1	Salinity	
Distance from GPS	1.0		-
A	1.0m	pH (-),	
Azimuth from GPS	W250	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment	Probe
/egetation Type		Barrel Length (cm)	
Pentrometer			
The state of the s		ITGODS (bottom of weld ≈ top of barrel) (cm)	
Shear Strength (kg/cm²)	C	Recovered Core Length (cm)	
Barrel Length (cm)		Core Catcher Used?	
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	
n-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)		AZIMUM NOM OF O	
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Should (Dir.) Cores AMS Shormahaatar Should	
Number of Sections		Shovel (Dig) Core: AMS Sharpshooter Shovel	
		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
zimuth from GPS			
1-4			
lotes			
1 1 1		. 0	
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Site ID	14CTB- 44Z		
JSGS Field Activity Number (FAN)	2014-322-FA (14CTB0	2)	
Date	1024	Day of Year	297
ield Crew	JCB + MEI	4	
Platform	USV	Location ASIS, Worcester Co.	MD
Arrival Time (EDT)	10:36	Departure Time (EDT)	11:08
atitude	N 38, 11142	Longitude	WO 75, 18816
	N 301 11192	Longitudo	NO 421 1 9016
Vater Depth (m)	7.07/5	GPS Waypoint	025
Handheld GPS used	JCB 765		7025
'SI		Camera	10201
	V M Time	Samuela Transisamela	X, Measure, Time
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	A, Weasure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	RecA	Start Time	
GPS Session ID	A025	Stop Time	
Occupation Time (min)	Smin	Total Volume	
Surface/Grab		Water Quality Parameters	
/egetation/Sediment Type	SAND + UPP	Water Type (estuary, marsh, standing, marsh backf	ill)
Pentrometer (marsh sites only)	1	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)		Dissolved Oxygen (DO) (%)	
Bulk Density/LOI		DO (mg/L)	
	- \	Specific Conductance (mS/cm)	
Grain Size	-3		
Stable Isotopes/Metals	~	Salinity	
Distance from GPS	20 cm	pH (-)	
Azimuth from GPS	NE 035	ORP (mV)	
	,		
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment I	Probe
/egetation Type		Barrel Length (cm)	24"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	Gn 11
Shear Strength (kg/cm²)		Recovered Core Length (cm)	1150
Barrel Length (cm)		Core Catcher Used?	- man
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	3500
n-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	() ()1()
		7 Elliati Holl Or O	NOIV
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections	7 16 17	Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Emilian non or o			
Votes			
10163			
	1		
too of dw fay sa ~ 30 m from site 44! Sand auger #1 40	S IN VEC	12	trips
# Z 35 cy from from a botton, refusal	ch (60-	75 cm Lapth dark gr	
		<u> </u>	
Photos			1 /
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100-103 N->+	->5-	> w from site.	

Site ID	14CTB - 44	3	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB	02)	
Date	10/21	Day of Year 294	
Field Crew	J'8+ 6		
Platform			AN MAN
	037		v (U, M)
Arrival Time (EDT)	13:27	Departure Time (EDT)	
Latitude	N 38,1117	Longitude 075 , 18813	
Water Depth (m)	1-2 cm st		
Handheld GPS used	JCB 765	GPS Waypdint 007	
YSI		Camera TCB A630	132-136
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Tim
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used Rue	NECA	Start Time	
GPS Session ID	A 0 0 3	Stop Time	
Occupation Time (min)		Total Volume	
Coodpation fille (fill)	5 MIN	Total Volume	
Surface/Grah		Woter Quality Personature	
Surface/Grab	1 1 1 1	Water Quality Parameters	
Vegetation/Sediment Type back	-dure should sci	Water Type (estuary, marsh, standing, marsh bac	kfill)
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	7	DO (mg/L)	
Grain Size	-	Specific Conductance (mS/cm)	
Stable Isotopes/Metals		Salinity	
Distance from GPS			
	50 (m	pH (-)	
Azimuth from GPS	N 000	ORP (mV)	\
<u> </u>		1,5	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment	t Probe
Vegetation Type		Barrel Length (cm)	
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
Shear Strength (kg/cm²)		Recovered Core Length (cm)	
Barrel Length (cm)		Core Catcher Used?	
In-the-Ground Inside Depth to Surface (ITGIDS) (cn	n)		
		Distance from GPS	
In-the-Ground Outside Depth to Surface (ITGODS)	(cm)	Azimuth from GPS	
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			•
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler	The same of the sa	Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS			
		Azimuth from GPS	
Azimuth from GPS			
Votes			
back-dune mars	h Shrub	serub e edge of	ow toe
Photos			Anna
132-135 N-	> F -> S	> W	
136 reget ation			

ite ID	14CTB - 4 4	45/1	
SGS Field Activity Number (FAN)	2014-322-FA (14CTB0	2)	
ate	10/21	Day of Year 29 4	
ield Crew			
latform	JCB + OJ	Location A SIS, Wirchoster	- (\ \ \ \ \ \
ADDISON NEW PROPERTY.	050		(0,10)
rrival Time (EDT)	13:50	Departure Time (EDT)	13.5+
atitude	N 38.11312	Longitude W075, 18916	
/ater Depth (m)		A Sel Stage of Se	
andheld GPS used	JGR 765	GPS Waypoint 005	
SI	-	Camera JCR AL30	142-141
ample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
GPS Positioning		Radium Sampling: Mn Fiber	
PS Reciever Used	RECA	Start Time	
PS Session ID	A005	Stop Time	
ccupation Time (min)	5 min	Total Volume	
	2 1011		
urface/Grab		Water Quality Parameters	
egetation/Sediment Type	Ica tura?	Water Type (estuary, marsh, standing, marsh b	ackfill)
entrometer (marsh sites only)	SPAYTING,	Temperature (°C)	usidin)
hear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
orams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
ulk Density/LOI	~	DO (mg/L)	1
rain Size	~	Specific Conductance (mS/cm)	
table Isotopes/Metals	7	Salinity	
istance from GPS	50CMA	pH (-)	
zimuth from GPS	NNE 120	ORP (mV)	
	TONE OLO		
arsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sedime	ent Prohe
egetation Type		Barrel Length (cm)	int riobe
entrometer			
		ITGODS (bottom of weld ≈ top of barrel) (cm)	
hear Strength (kg/cm²)		Recovered Core Length (cm)	/
arrel Length (cm)	100	Core Catcher Used?	
-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	
-the-Ground Outside Depth to Surface (ITGODS) (cr	n)	Azimuth from GPS	-
ompaction (cm)			
ecovered Core Length (cm)			
stance from GPS			
zimuth from GPS			
arsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shove	al .
umber of Sections		Recovered Depth (cm)	
tal Core Length (cm)		Distance from GPS	
stance from GPS			
		Azimuth from GPS	
zimuth from GPS			
otes		¥	
book-barrier sp behond ow fan	Shrub	- scrub transi	to
otos			
142-145 N-> F	->5-	3 W	
146 march ve			

Site ID	14CTB -	445	
USGS Field Activity Number (FAN)	2014-322-FA (14CTBC		
Date	04/260/14		299
Field Crew	CTWIAM		
Platform	DSV	Location	
Arrival Time (EDT)		Departure Time (EDT)	2:07
Latitude	38,24494	Longitude	75.1360
Water Depth (m)	Fcm		
Handheld GPS used	SANFORD 71	GPS Waypoint	11+0
YSI		Camera	pater proof
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	p. 4,	Radium Sampling: Mn Fiber	
GPS Reciever Used	100	Start Time	
GPS Session ID	BID	Stop Time	
Occupation Time (min)	Smin	Total Volume	
	Jinii	-	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type Soci	irting	Water Type (estuary, marsh, standing, marsh backfill)	STANDING
Pentrometer (marsh sites only)		Temperature (°C)	17.0
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	756.9
Forams (preserved, x2)	V	Dissolved Oxygen (DO) (%)	132.8
Bulk Density/LOI	V,	DO (mg/L)	10 9
Grain Size	V/	Specific Conductance (mS/cm)	22,51
Stable Isotopes/Metals		Salinity	13.64
Distance from GPS	18Com	pH (-)	7.52/
Azimuth from GPS	NE	ORP (mV)	-77-1/
	, , ,	7	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	be
Vegetation Type		Barrel Length (cm)	
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
Shear Strength (kg/cm²)		Recovered Core Length (cm)	
Barrel Length (cm)		Core Catcher Used?	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	
In-the-Ground Outside Depth to Surface (ITGODS) (cm)	Azimuth from GPS	
Compaction (cm)			
Recovered Core Length (cm)			-
Distance from GPS			-
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler	• .	Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
200 Distance	a co	d'surface to GPS	- 10/0000
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Photos			
Photos			-
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Photos 2108-2111	N→E	$\rightarrow S \rightarrow W$	
	N→E	$\rightarrow S \rightarrow W$	4.

14CTB-446		
2014-322-FA (14CTB0	2)	
10/22	Day of Year	295
JCB + ME	M + AME + CJW 1	
OSV		6,MD
11:55	Departure Time (EDT)	12:25
N 38. 24467	Longitude	W075.13550
JCB 765		014
	Camera	
V Massura Time	Sample Type/Sample	X, Measure, Time
X, Measure, Time		A, Weasure, Time
Va a A		
1000		
SMIN	Total Volume	
	Water Quality Parameters	
Sau		
Jun 6	Temperature (°C)	
	Barometric Pressure (mm Hg)	
1	Dissolved Oxygen (DO) (%)	
-	DO (mg/L)	
	Specific Conductance (mS/cm)	
~	Salinity	
25 cm	pH (-)	
SW 230	ORP (mV)	
		be
		240
		77.0
		STEM
		100
		10 cm
	Azimutii iloili GF3	
	Shovel (Dig) Core: AMS Sharpshooter Shovel	
	Recovered Depth (cm)	
	Distance from GPS	9
	Azimuth from GPS	
n from		le barner
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L' en	toe of olw to back along	Sand ang
L' en	toe of olw to back along	Sand ang
	2014-322-FA (14CTBO 10/22 JCB + ME CSV 11: SS J 38. 24467 JCB 76 S X, Measure, Time Rec A A 014 5 M 1 M	2014-322-FA (14CTB02) 10 2 2 Day of Year 20

Site ID	14CTB - 447	- 1.6		
JSGS Field Activity Number (FAN)	2014-322-FA (14CTB02)		
Date (7.117)	. /	Day of Year		295
Field Crew	JOB MEM.	AME, CJW	1	613
Platform		Location 15/5 (4)	2011111	AN MA
	OSV	Departure Time (EDT)	ovcester	201.50
Arrival Time (EDT)	10:08	Departure Time (EDT)		10:50
atitude	N38, 24437	Longitude /		W075,13441
Vater Depth (m)		-		
Handheld GPS used	JCB 765	GPS Waypoint		012
/SI		Camera	DSLR D	5200 + JEB AL
Sample Type/Sample	X, Measure, Time	Sample Type/Sample		X, Measure, Time
DGPS Positioning	Continue the stability	Radium Sampling: Mn Fiber		
GPS Reciever Used RI we	RECA	Start Time		
GPS Session ID	A012	Stop Time		
Occupation Time (min)	SMIN	Total Volume		
occupation rime (min)	3 MIVI	Total Volume	_	
Surface/Grab		Water Quality Parameters		
	2/1	Water Quality Parameters	P	
/egetation/Sediment Type Sparts	na lenve guss	Water Type (estuary, marsh, stan	iding, marsh backfill)	
Pentrometer (marsh sites only)		Temperature (°C)		
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)		
Forams (preserved, x2)	~	Dissolved Oxygen (DO) (%)		10.1001-1
Bulk Density/LOI	7	DO (mg/L)		
Grain Size	~	Specific Conductance (mS/cm)		
Stable Isotopes/Metals		Salinity	1	
Distance from GPS	100	pH (-)		
Azimuth from GPS	10 cm	ORP (mV)		
William Hom GPS	5195	OKF (IIIV)		
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/L	Loose Sediment Pro	be
Vegetation Type	[46] N. W. L. W.	Barrel Length (cm)		24"
Pentrometer	to be an index of the control of	ITGODS (bottom of weld ≈ top of	f barrel) (cm)	full
Shear Strength (kg/cm²)	M. P. Hayrigh	Recovered Core Length (cm)		34 cm
Barrel Length (cm)	N 1 - 5 - 5 - 5	Core Catcher Used?		No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)	The same of	Distance from GPS		10 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS		SF 210
		Azimati nom or o		SE 210
Compaction (cm)				
Recovered Core Length (cm)				
Distance from GPS				
Azimuth from GPS				3
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharp	shooter Shovel	Lagran and the same of the
Number of Sections		Recovered Depth (cm)		
Total Core Length (cm)		Distance from GPS		
Distance from GPS		Azimuth from GPS		
		Azimuti ilom GF3		
Azimuth from GPS	# N			
Notes				
overwash has been spring 2014. G	me signifi PR transs	cantly vage to	de 2 siv	H.
Photos				
A630 176-183 par dune veg + over	noran a wash hu	N-> E-> S	trom	5170
DSLR 00-01-6015	French PI	×		

X, Measure, Time
ASUS WOFS, 13412 OC3 X, Measure, Time
ASUS WOFS, 13412 OC3 X, Measure, Time
X, Measure, Time
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X, Measure, Time
X, Measure, Time
inding, marsh backfill)
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of barrel) (cm)
58
SE 12-6
20 cm
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oshooter Shovel
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1 1 1 1 1
shrub I golen rud
58-96 cm)
16 Cm)

345 site photo 346-349 N-> E-> S-> w from site 350-352 trend

Site ID	14CTB - 45	200	
JSGS Field Activity Number (FAN)	2014-322-FA (14CTB02		200
Date	10/26	Day of Year	299
Field Crew	JOB + ME	W ANT	DOLE
Platform	050	Location	ASIS
Arrival Time (EDT)	14:04	Departure Time (EDT)	
atitude	N38, 34284	Longitude	W075.13441
Water Depth (m)			
Handheld GPS used	765	GPS Waypoint	062
YSI	_	Camera	DSUR
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	A	Start Time	
GPS Session ID	A062	Stop Time	
Occupation Time (min)	Suma	Total Volume	/
Surface/Grab		Water Quality Parameters	
/egetation/Sediment Type	SANDTURA	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)	- 1	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	V	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	~	DO (mg/L)	
Grain Size	7	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	7	Salinity	
Distance from GPS	25 cm	pH (-)	
Azimuth from GPS	NW 31U	ORP (mV)	
Zimuti nom or o	100 310		
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	be
Vegetation Type		Barrel Length (cm)	34"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	Full
4-7	-	Recovered Core Length (cm)	s7 cm
Shear Strength (kg/cm²) Barrel Length (cm)	 	Core Catcher Used?	51000
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)	-	Distance from GPS	15 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	NW 330
Compaction (cm)		Azimati nom Gr G	IAM 220
Recovered Core Length (cm)			
Recovered Core Length (cm) Distance from GPS			
Recovered Core Length (cm) Distance from GPS Azimuth from GPS	3	Should (Dist) Corp. AMS Shareshooter Should	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections		Recovered Depth (cm)	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm)		Recovered Depth (cm) Distance from GPS	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS		Recovered Depth (cm)	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm)		Recovered Depth (cm) Distance from GPS	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS		Recovered Depth (cm) Distance from GPS	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS		Recovered Depth (cm) Distance from GPS	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS		Recovered Depth (cm) Distance from GPS	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes		Recovered Depth (cm) Distance from GPS Azimuth from GPS	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	#1 No	Recovered Depth (cm) Distance from GPS Azimuth from GPS	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SA-b Auger Aug	#1 No	Recovered Depth (cm) Distance from GPS Azimuth from GPS	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SA-b Auger Aug	#1 No	Recovered Depth (cm) Distance from GPS Azimuth from GPS	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SA-b Auger SA-b Auger	m 47	Recovered Depth (cm) Distance from GPS Azimuth from GPS	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SA-b Auger SA-b Auger	m 47	Recovered Depth (cm) Distance from GPS Azimuth from GPS	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SA-b Auger SA-b Auger	m 47	Recovered Depth (cm) Distance from GPS Azimuth from GPS	
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Azimuth from GPS Notes	m 47	Recovered Depth (cm) Distance from GPS Azimuth from GPS	em ~4 c
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SA-b Auger SA-b Auger	m 47	Recovered Depth (cm) Distance from GPS Azimuth from GPS	em ~4 c.
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SA-b Auger SA-b Auger	m 47	Recovered Depth (cm) Distance from GPS Azimuth from GPS	em ~4 c.
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Pear Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Azimuth from GPS Notes	m 47	Recovered Depth (cm) Distance from GPS Azimuth from GPS	em ~4 e.
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Pear Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Azimuth from GPS Votes SA-b Auger (47-102 C	m 47	Recovered Depth (cm) Distance from GPS Azimuth from GPS	2m ~4 c.
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SA-b Auger (47-102 C) Photos	m 47	Recovered Depth (cm) Distance from GPS Azimuth from GPS	2m ~4 c.
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SA-b Auger (47-102 C) Photos	m 47	Recovered Depth (cm) Distance from GPS Azimuth from GPS	ma4c
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAmb Auger (47-102 Co	m 47 cm) plus	Recovered Depth (cm) Distance from GPS Azimuth from GPS	em ~4 c
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAmb Auger (47-102 Co	m 47 cm) plus	Recovered Depth (cm) Distance from GPS Azimuth from GPS	m ~4 c.
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SA-b Auger (47-102 C) Photos	m 47 cm) plus	Recovered Depth (cm) Distance from GPS Azimuth from GPS	em ~4 c.
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAmb Auger (47-102 Co. Photos 337 Sife photo 338-341 N > E	~ 47 cm 47 cm plus	Recovered Depth (cm) Distance from GPS Azimuth from GPS	em ~4 c.
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAmb Auger (47-102 Co. Photos 337 Sife photo 338-341 N > E	~ 47 cm 47 cm plus	Recovered Depth (cm) Distance from GPS Azimuth from GPS	em at c
Recovered Core Length (cm) Distance from GPS Azimuth from GPS Marsh Auger Core: Eijkelkamp Peak Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Azimuth from GPS Notes SA-b Auger (47-102 C) Photos 337 Sife photo 338-341 N > E 342 N R R R R R R R R R R R R R R R R R R	~ 47 cm 47 cm plus	Recovered Depth (cm) Distance from GPS Azimuth from GPS	em ~4 c.
Recovered Core Length (cm) Distance from GPS Azimuth from	~ 47 cm 47 cm plus	Recovered Depth (cm) Distance from GPS Azimuth from GPS	mat c

Site ID	14CTB-452		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	
Date		Day of Year	200
Field Crew	10/26 JCB+ME		299
Platform	OSV	Location	1016
Arrival Time (EDT)	10:07	Departure Time (EDT)	AS1S
Latitude	10.04		11.675 12301
Water Depth (m)	M38,24709	Longitude	W075,1339
Handheld GPS used	700 710	CDC Wayneigh	
YSI	JOB 765	GPS Waypoint	255
131		Camera	DXR
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	V Massura Time
DGPS Positioning	A, Measure, Time		X, Measure, Time
GPS Reciever Used	m1 /\	Radium Sampling: Mn Fiber Start Time	
GPS Session ID	Blue = A AUSS	Stop Time	
Occupation Time (min)	HOSS	Total Volume	
occupation time (min)	5mm	Total volume	
Surface/Grab		Water Quality Parameters	
	C. A	Water Quality Parameters	1.600
Vegetation/Sediment Type Pentrometer (marsh sites only)	SANDtue	Water Type (estuary, marsh, standing, marsh ba	ICKIIII)
	- 0	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only) Forams (preserved, x2)		Barometric Pressure (mm Hg)	
The state of the s	BEFORE	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI		DO (mg/L)	
Grain Size		Specific Conductance (mS/cm)	
Stable Isotopes/Metals	C0 :	Salinity	1
Distance from GPS	50 cm	pH (-)	
Azimuth from GPS	SE 120	ORP (mV)	
March Buch Coro. 4" Behaverhauste Bernet		Cd C C	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sedime	
Vegetation Type		Barrel Length (cm)	2411
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	Pau
Shear Strength (kg/cm²)		Recovered Core Length (cm)	47 cm
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	60 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	Flog
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shove	· ·
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from Gr G	3.00
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes	h	125	1 1
Notes	in thin	strip (10-25 in in Le	alongchire
DGPS \$1056 off for	in thin	strip (10-25 m u Le	alongchire
At Marsh			alongchore
DGPS \$1056 off for			alongchire
DGPS \$1056 off for			alongchire
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DGPS GIOSC off for of Marsh Sile Shows lots of			alongchere
DGPS \$1056 off fore of Marsh Sile Shows lots of	horset Le		alongchere
DGPS \$1056 off fore of Marsh Sile Shows lots of	horset Le	er traffic.	
DGPS AIOSC Off fore of Marsh Sile Shows lots of Photos DSLR 284-285 SA	horset Le	er traffic.	alongchere
DGPS AIOSC Off fore of Marsh Sile Shows lots of Photos DSLR 284-285 SA	horset Le	er traffic.	
DGPS AIOSC off fore of Marsh Sile shows lots of Photos DSLR 284-285 SA 286-289 N->F->	horset Le	in site.	
DGPS AIOSC off fore of Marsh Sile shows lots of Photos DSLR 284-285 SA 286-289 N->F->	horset Le	in site.	
DGPS GIOSC off fore of Marsh Sile shows lots of DSLR 284-285 SA 286-289 N-> F-> 290-295, panova	horset Le	in site	
DGPS GIOSC off fore of Marsh Sile shows lots of DSLR 284-285 SA 286-289 N-> F-> 290-295, panova	horset Le	in site	
DGPS GIOSC off fore of Marsh Sile Shows lots of DSLR 284-285 SA 286-289 N-> F-> 290-295 panovae of backbarrer	horset Le	in site	
Daps diose off fore of Marsh sile shows lots of DSLR 284-285 SA 286-289 N-> F-> 290-295, panova	horset Le	in site	

Site ID	14CTB - 453		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	12 (1981)
Date	10/26	Day of Year	299
Field Crew	JUB + MEN	W	100
Platform	VZO	Location	ASIS
Arrival Time (EDT)	10:52	Departure Time (EDT)	1
Latitude	N 38. 24697	Longitude	NO75, 13340
Water Depth (m)	100.01		10101
Handheld GPS used	JUB 765	GPS Waypoint	05.7
YSI		Camera	DSLR
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	A, Measure, Time	Radium Sampling: Mn Fiber	A, moasure, Time
GPS Reciever Used	A	Start Time	
GPS Session ID	1000	Stop Time	
	Aos7		
Occupation Time (min)	5 MIN	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SAND	Water Type (estuary, marsh, standing, marsh backfill)
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	V	DO (mg/L)	
Grain Size	1	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	7	Salinity	
Distance from GPS	10 cm	pH (-)	
Azimuth from GPS	E080	ORP (mV)	
1			
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pi	robe
Vegetation Type		Barrel Length (cm)	247
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	tull
Shear Strength (kg/cm²)		Recovered Core Length (cm)	59cm
Barrel Length (cm)		Core Catcher Used?	NO.
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	60 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	15090
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler	<u> </u>	Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS	1	Azimuth from GPS	
Azimuth from GPS	1	Azimuti ilom or o	
Notes			
		4	
gradual slope up	from site	452/ fee of overwas!	
SAM Anger #1	59 cm		
# 2 fm ~ 26 cm	. In tre	uch 59 cm (29-	-08 em)
recovered org.	peaty mat	enal below ~79 cm	5

DSLR 300 Site photo 301-304 N-> F-> S-> W from site 305-306 trench (~30 cm) 307-308 Coring

Site ID	14СТВ-454		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0		
Date	10/26	Day of Year	299
Field Crew	JOB + MEN		911
Platform	OSV	Location	ASIS
Arrival Time (EDT)	11:36	Departure Time (EDT)	MOLS
Latitude	N 38. 24681	Longitude \	11 . 75 13-61
Water Depth (m)	NO8. 04001	Longitude 3	W075,13290
Handheld GPS used	765	GPS Waypoint	455
YSI	763	Camera	05 8
		Carriera	DOCK
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	V Massura Time
DGPS Positioning	A, mousure, rime	Radium Sampling: Mn Fiber	X, Measure, Time
GPS Reciever Used		Start Time	
GPS Session ID	A058	Stop Time	
Occupation Time (min)		Total Volume	
o o o o o o o o o o o o o o o o o o o	Smin	Total volume	
Surface/Grab		Motor Quality Parameters	
Vegetation/Sediment Type	CA	Water Quality Parameters	em T
Pentrometer (marsh sites only)	SAND	Water Type (estuary, marsh, standing, marsh back	KTIII)
		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only) Forams (preserved, x2)		Barometric Pressure (mm Hg)	
Bulk Density/LOI	~	Dissolved Oxygen (DO) (%)	
	~	DO (mg/L)	
Grain Size	21	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	-	Salinity	
Distance from GPS	25 am	pH (-)	
Azimuth from GPS	N070	ORP (mV)	
March Durch Come 4" D		-	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment	Probe
Vegetation Type		Barrel Length (cm)	24."
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	Full
Shear Strength (kg/cm²)		Recovered Core Length (cm)	52 cm
Barrel Length (cm)		Core Catcher Used?	20
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	35 cm
n-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	Ello
Compaction (cm)		8	7311
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
zimuth from GPS)	
Votes			7
			2
bore sand in "do	11		-1
sanc In de	pressim	bet veretated 1 A	anichm?
1 0 5	1		. ()
denes			1
C - C - 1 - 1	1	0	
Surface, lac has so	me very	coarse + shelly n	est evial
+ wind repples	,		
2 V 50 1	Saa I I	12	
2 x Sand augor	See loc	OCTO Y	
hotos	N N	V	
hotos			
3-0 6-1 0			N #1
309 site photos	1 25		
211 710	1	21.0	
310-312 Surface	log + rip	pas 1	1
- 2	Q 'I	C	Alor of aband
312 Shows trai	- SITUS	To their alona Tro	Ada abrill
		to finer arolan tro	10 0
cine Vea		1	
2.2 2.1		0	
616 - (1)	2 1 1	tal lan on 8	
313-316 NUDE-	- 3 -	S VO PVON TIPE	
	330	show sing	
317-319 trench	-> 5 ->	No from SIPS	

A.

Site ID	14СТВ - 458		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	
Date	10/25	Day of Year	298
Field Crew	JOB + ME		210
Platform		Location	ASIS, MD
Arrival Time (EDT)	050	Departure Time (EDT)	A30,19
	15:02		. MATE 130112
Latitude	N 38. 24787	Longitude	W075, 13243
Water Depth (m)			
Handheld GPS used	JCB 765	GPS Waypoint	053
YSI		Camera	DSLR
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	, , , , , , , , , , , , , , , , , , , ,	Radium Sampling: Mn Fiber	
GPS Reciever Used	Τ Λ	Start Time	
GPS Session ID	1052	Stop Time	
	A053 5 MIN		
Occupation Time (min)	SMIN	Total Volume	
Surface/Grab	Marie Williams	Water Quality Parameters	
Vegetation/Sediment Type	SAND+ Veo	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)	SAND+ NEG	Temperature (°C)	
	= J		
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	4.	DO (mg/L)	
Grain Size	7	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	~	Salinity	-1
Distance from GPS	10 cm	pH (-)	The same of the sa
Azimuth from GPS	WNW 305	ORP (mV)	
Azimuti nom Gr 3	WNW 303	OKF (IIIV)	3170
Marsh Push Core: 4" Polycarbonate Barrel	7 16 4 10 10 10 10 10 10	Sand Gouge Core: AMS Sand/Loose Sediment Pro	ha
			CATOLOGIC PROTECTION & STATE OF THE PARTY OF
Vegetation Type		Barrel Length (cm)	24"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	EnU
Shear Strength (kg/cm²)		Recovered Core Length (cm)	58 cm
Barrel Length (cm)		Core Catcher Used?	NII
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)	1	Distance from GPS	10010
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	519
	4	, amount from Or O	0110
Compaction (cm)	-	ļ	
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Mouth Auror Com. Fill - II - D. 12		Charact (Din) Come AMO Of annual	
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	-
Number of Sections	1	Recovered Depth (cm)	
Total Core Length (cm)	Y	Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
~ Same elev as 461	(- M)	A THEOR	
- June elev as 761	0		
distincting lange	16-72	in trench -> (and aug
1.	10 22 00	h in anger; ~35	and and
also much a co	ma det	h in amount was	0
N.30 1.3.00 6 30	The say	1 3	000
Plante	. 10	0	
trom trench s	1 1-11		
		and the same of th	
Shata	***************************************		
Photos			
DSLR 252 to site			
253-256 N-> 5-	550	is from site	
257 - 273 trench		7	
French			

Site ID	14СТВ - 459		
	2014-322-FA (14CTB02		
USGS Field Activity Number (FAN)			- o C
Date	10/25	Day of Year	298
Field Crew	JCB + MEN	<u> </u>	
Platform	03 V	Location	ASIS, MD
Arrival Time (EDT)	15:43	Departure Time (EDT)	16:20
Latitude	N38.24798	Longitude	W075. 1327
Water Depth (m)	1.00.01.11		
Handheld GPS used	JUB 765	GPS Waypoint	11
YSI	200 462		059
131		Camera	DOCIC
Comple Tune/Comple	V Management Times	SI- T/SI-	V Management Times
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	A	Start Time	
GPS Session ID	A054	Stop Time	
Occupation Time (min)	Smin	Total Volume	
Surface/Grab		Water Quality Parameters	
	- A		T
Vegetation/Sediment Type	SAND	Water Type (estuary, marsh, standing, marsh backfill)	-
Pentrometer (marsh sites only)	-	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	7	DO (mg/L)	
Grain Size	~	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	-	Salinity	
ENGLISH CONTROL OF THE CONTROL OF TH	0====		-
Distance from GPS	25 cm	pH (-)	
Azimuth from GPS	E106	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	be
Vegetation Type		Barrel Length (cm)	240
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	5.11
		Recovered Core Length (cm)	6-0
Shear Strength (kg/cm²)			20cm
Barrel Length (cm)		Core Catcher Used?	No
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	45 Cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	E080
Compaction (cm)			
Recovered Core Length (cm)			P
Distance from GPS			
Azimuth from GPS			
1			
	_	Shovel (Dig) Core: AMS Sharpshooter Shovel	
March Auger Core: Filkelkamn Peat Sampler		Shover (big) core. Alas Sharpshooter Shover	
	1	Descripted Dorth (cm)	
Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections		Recovered Depth (cm)	
Number of Sections Total Core Length (cm)		Distance from GPS	
Number of Sections			
Number of Sections Total Core Length (cm)		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes		Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	eneved	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	sparsty	Distance from GPS Azimuth from GPS	,
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	sparsty	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	sparsty regnites /1	Distance from GPS Azimuth from GPS	e
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Brue Sand bet ~ 40 m F. of ph	sparsty vegnines /1	Vegetated patches	e
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Borne Sand bet a fine of ph	sparsty vagnites /1	Vegetated patches	e
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Borne Sand bet a fine of ph	sparsty regnites /h	Vegetated patches	e
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Brue Sand bet ~ 40 m F. of ph	sparsty regnotes It	Vegetated patches	e
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Brue Sand bet ~ 40 m F. of ph	sparsty regnites It	Vegetated patches	e
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Brue Sand bet ~ 40 m F. of ph	sparsty regnites It	Vegetated patches	e trank
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Borne Sand bet a fine of ph	sparsdy regnifes It	Vegetated patches	e track
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Brue Sand bet ~ 40 m F. of ph	sparsty regnites It	Distance from GPS Azimuth from GPS	e track
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes N	lorg lant in a	Vegetated patches	e track
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes N	lorg lant in a	Vegetated patches	e track
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Rome Sand bet ~ 40 m F of ph no water table band y and Photos DSLR 274 to sit	lorg Lant in a	Vegetated patches soudy scrub reg him	e track
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes N	lorg lant in (Vegetated patches soudy scrub reg him	e track
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Rome Sand bet ~ 40 m F of ph no water table band y an	lorg lant in (Vegetated patches soudy scrub reg him	e trach

Site ID	14CTB - 460	Tan Tanan	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0)		
Date	10/25	Day of Year	298
Field Crew	JEB + MEI	u . 1	
Platform	OS V.	Location ASIS, Worceste	V Co. MD
Arrival Time (EDT)	09:44	Departure Time (EDT)	
Latitude	N38,24888	Longitude	W075. 1322
Water Depth (m)	1000		
Handheld GPS used	TEB 765	GPS Waypoint	043
YSI		Camera	DSUR
7			
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	-	Radium Sampling: Mn Fiber	Av. nety
GPS Reciever Used Bue	RecA	Start Time	
GPS Session ID	A043	Stop Time	
Occupation Time (min)	SMIN	Total Volume	
/	SIM	1000	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	CALID	Water Type (estuary, marsh, standing, marsh backfi	ill) T
Pentrometer (marsh sites only)	SAND	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)		Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	-	DO (mg/L)	
Grain Size	-		
	7	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	100	Salinity	1
Distance from GPS	20cm	pH (-)	
Azimuth from GPS	SE 150	ORP (mV)	
March Duch Care, 48 Debugger		Cond Cours Core 1110 Cond 1	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment F	robe
Vegetation Type		Barrel Length (cm)	24"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	full
Shear Strength (kg/cm²)		Recovered Core Length (cm)	54
Barrel Length (cm)		Core Catcher Used?	No
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	20 cm.
n-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	3160
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
	•		
Notes			
		1 1 1	
510 00 11 120 500	-1 040.50	y ve a bay ward of voge	1 1 1
SAMO W VERY Span	SC 61022	1 veg day work of vogo	alec du
surface Is coarser	grained	Than @ other Site	s, w larg
			,
broken + phole	shells		,
2 1 2 1 2 1 2	11 61 10	o org. Lark band	
JAMB Auger 0-5	4 cm n	o org. Zarr sand	ug below
11 (116.180 /012)	, 11 .	2 from 38 cm Lepth.	117
N. 1000 Se/ 0.02	cm, A	- trom 58 cm doth.	4+ cm 111
		138:47 (m) no 140	CANICE SAL
Photos		Look avan Land	1
100	1 1 1	The state of the	X
DSLR 192-193 C	site photo		0
	site borois) 1	
18.1-107 11 -	0	C. Warden	J. 1 3 m 1 . 17
194-197 N-E-	>1/1 -	rom Site	
			W
198-200 trench.			4.0
1000			

3	14CTB - 146		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0	2)	2
Date	10 25	Day of Year	298
Field Crew	JUS+ MEN	1	
Platform	OSV	Location ASTS, Worce Step	Comp
Arrival Time (EDT)	10:21	Departure Time (EDT)	
Latitude	N'38. 2991U	Longitude	W 075.13314
Water Depth (m)		W	
Handheld GPS used	765	GPS Waypoint	044
YSI		Camera	DSVR
		ent III	
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	A	Start Time	
GPS Session ID	A044	Stop Time	
Occupation Time (min)	5 min	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SANO	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)		Barometric Pressure (mm Hg)	
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	7	DO (mg/L)	
Grain Size	7	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	7	Salinity	
Distance from GPS	15am	pH (-)	3
Azimuth from GPS	OFIZ	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pr	obe
Vegetation Type		Barrel Length (cm)	24"
Pentrometer \		ITGODS (bottom of weld ≈ top of barrel) (cm)	
Shear Strength (kg/cm²)		Recovered Core Length (cm)	
Barrel Length (cm)		Core Catcher Used?	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	15 cm
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	5 180
Compaction (cm)			2 100
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Marsh Auger Core: Eijkelkamp Peat Sampler		Descripted Death (and	
		Recovered Depth (cm)	
		Distance from GPS	-
Number of Sections Total Core Length (cm)			
Number of Sections Total Core Length (cm) Distance from GPS		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS		Distance from GPS	
Distance from GPS Azimuth from GPS Notes		Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	(3) 01	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	(2) of	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	(?) of a	Distance from GPS Azimuth from GPS	In the but
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	(?) of a	Distance from GPS Azimuth from GPS	ty, but
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	(?) of a	Distance from GPS Azimuth from GPS	ty, but
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	(?) of of sh began fanding	Distance from GPS Azimuth from GPS	t panicus
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	(?) of of sh began fanding	Distance from GPS Azimuth from GPS	to but
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	(?) of of sh began fanding	Distance from GPS Azimuth from GPS	ty, but
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	(?) of a sh began fanding	Distance from GPS Azimuth from GPS	ty, but
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	(?) of a sh began fanding	Distance from GPS Azimuth from GPS	ty, but
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Votes V	(?) of of sh began fanding	Distance from GPS Azimuth from GPS	ty, but)+ panicus
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Notes Wet Sand @ "foe" Thin Strip of mark Sandy Soil w/S	sh begen fanding	Distance from GPS Azimuth from GPS	ty, but)+ panicus
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Notes Wet Sand @ "foe" Thin Stry of mark Sandy Soil w/S	sh begen fanding	Distance from GPS Azimuth from GPS	ty, but)+ panicus
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes N	sh begen fanding	Distance from GPS Azimuth from GPS Lerwash Lerwash Water - Spartma(?)	ty, but)+ panicus
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes N	sh begen fanding	Distance from GPS Azimuth from GPS Lerwash Lerwash Water - Spartma(?)	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes N	sh begen fanding	Distance from GPS Azimuth from GPS Lerwash Lerwash Water - Spartma(?)	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes N	sh begen fanding	Distance from GPS Azimuth from GPS Lerwash Lerwash Water - Spartma(?)	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes N	sh begen fanding	Distance from GPS Azimuth from GPS Azimuth from GPS Letter Ashis, 32 ppt saling water - spartina (?) h Site Is in upper	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes Notes Notes Notes Photos DSL R 201 Stephology Section 2 Dag - 203 bayside 204 Stromboyse	tanding to bearing	Distance from GPS Azimuth from GPS Azimuth from GPS Letter Ashis, 32 ppt saling water - spartina (?) h Site Is in upper	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes N	tanding to bearing	Distance from GPS Azimuth from GPS Lerwash Lerwash Water - Spartma(?)	

Site ID	14СТВ - 462	replicate 474	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02		
Date	10/25	Day of Year	298
Field Crew	JCB + MEN		
Platform	USV	Location ASIS, Wirayer	CO, MD
Arrival Time (EDT)	111 12	Departure Time (EDT)	,
Latitude	N 38.24953	Longitude 7	W075.13293
Water Depth (m)			
Handheld GPS used	JCB 763	GPS Waypoint	042
YSI		Camera	OSLR
Sample Type/Sample	V Massura Time	Sample Type/Sample	X. Measure, Time
Sample Type/Sample DGPS Positioning	X, Measure, Time	Sample Type/Sample Radium Sampling: Mn Fiber	X, Measure, Time
GPS Reciever Used	1	Start Time	
GPS Session ID	A045	Stop Time	
Occupation Time (min)	SMIN	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SANDY Vec	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)	- 7	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)	_	Barometric Pressure (mm Hg)	
Forams (preserved, x2)	V X4	Dissolved Oxygen (DO) (%)	
Bulk Density/LOI	~ X2	DO (mg/L)	
Grain Size	1 X5	Specific Conductance (mS/cm)	
Stable Isotopes/Metals Distance from GPS	2 X2	Salinity	
Azimuth from GPS	20 CM	pH (-) ORP (mV)	
Azillidili liolil GF3	NE 035	ORF (IIIV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	obe
Vegetation Type		Barrel Length (cm)	24"
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	Full
Shear Strength (kg/cm²)		Recovered Core Length (cm)	50 am
Barrel Length (cm)		Core Catcher Used?	NID
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)			
Recovered Core Length (cm)	2 3 3		1207.31
Distance from GPS			T. William
Azimuth from GPS			NAME OF THE PERSON OF THE PERS
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	The second second
Number of Sections	V	Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	PH
Distance from GPS		Azimuth from GPS	1.16
Azimuth from GPS			
Notes			
coll for	/	2	1. 1
Sand of Thin Veg	(paricun	-?) on slope from	higher
	- 1" 11	1 1/2)
drempost to bays	side mor	Sh	
		2G .	
SAND agger	bracus	~ 27 Cm	
7.0	J		
-			
Photos			
21/ 210 = [-1]	a b.b	1	
211-212 Site photo	100 Ken	-s bay War 2	
213 from bayorde!	1 1 1) ()	110
215 from harside	marsl		
)		P . 51/2	
11 217		trum orte	
214-217 N-5F-	>2 -D.M.		
214-217 N->E-			. 1
214-217 N->E-			1. P
214-217 N-SET			n. #
214-217 N-SET	to site		
214-217 N-SET	to site		
214-217 N->E-	to site		
214-217 N-SET	to site		
214-217 N-SET	to site		

Site ID	14CTB - 263	4.	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	
Date	10/25	Day of Year	298
Field Crew	JCB + MEI		70
Platform		Location ASIS, Woraser	CO MO
Arrival Time (EDT)	05V 11:55	Departure Time (EDT)	00 1-00
3			W075.13259
Latitude	N 58. 25005	Longitude	W0+3.15237
Water Depth (m)			10
Handheld GPS used	JUB 765	GPS Waypoint	048
YSI		Camera	DSLE
		0 17 10 1	V 88
	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	A	Start Time	
GPS Session ID	A048	Stop Time	
Occupation Time (min)	Smin	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SAND	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)	0.1101	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)	7	Barometric Pressure (mm Hg)	
Forams (preserved, x2)	- `	Dissolved Oxygen (DO) (%)	
	7		
Bulk Density/LOI		DO (mg/L)	
Grain Size	1	Specific Conductance (mS/cm)	
Stable Isotopes/Metals	25 cm	Salinity	
Distance from GPS	NW 330	pH (-)	
Azimuth from GPS		ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	be
Vegetation Type		Barrel Length (cm)	
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
Shear Strength (kg/cm²)	N A	Recovered Core Length (cm)	
Barrel Length (cm)		Core Catcher Used?	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	
		Azimuth from GPS	
In-the-Ground Obtside Depth to Surface (ITGODS) (cm)		Azimuti iloiti GF3	
Compaction (cm)		PH = 10 16	
Recovered Core Length (Cm)		5x tall pen no Yeur	rery
Distance from GPS		l a	
Azimuth from GPS			l l
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections	e dela	Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS	29	Azimuth from GPS	
Azimuth from GPS			
Azimuti nom or o			
Notes			
Notes			
toe lelge of overno trees ~25-35 m	to No	cus marsh + woods	scrub molwed
Notes	to No	cus marsh + woody w/ significant drop fro	serus mojwed
toe lelge of overno trees ~25-35 m	to No	cus marsh + woods	scrub molwed
toe lelge of overword frees ~25-35 m DGPS A049 from J	to No	cus marsh + woods	serub molwed
toe lelge of overword frees ~25-35 m DGPS A049 from J	uncus		scrub molwed
toe lelge of overword frees ~25-35 m DGPS A049 from J	von ore	unash.	scrub molwe

	14СТВ - 464	P\$	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB0	2)	
Date	10/25	Day of Year	25.8
Field Crew	JUB + MEI	VI. I A SC	
Platform	OSV	Location	ASIS
Arrival Time (EDT)	17:38	Departure Time (EDT)	13:10
Latitude	N 38 24977	Longitude	W075 13205
Water Depth (m)	14 30 21111		10013 13203
Handheld GPS used	71 0	GPS Waypoint	050
YSI	165	Camera	DS1-D
131		Carriera	DILIC
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	A, Micasure, Time	Radium Sampling: Mn Fiber	A, Measure, Time
GPS Reciever Used		Start Time	
GPS Session ID		Stop Time	
Occupation Time (min)		Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SAND trec	Water Type (estuary, marsh, standing, r	marsh backfill)
Pentrometer (marsh sites only)	7	Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)	**************************************	Barometric Pressure (mm Hg)	12
Forams (preserved, x2)		Dissolved Oxygen (DO) (%)	
Bulk Density/LOI		DO (mg/L)	is
Grain Size	-	Specific Conductance (mS/cm)	
	7		2.0
Stable Isotopes/Metals		Salinity	
Distance from GPS	20 cm	pH (-)	
Azimuth from GPS	NEOGO	ORP (mV)	
		1	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose	Sediment Probe
Vegetation Type		Barrel Length (cm)	2410
Pentrometer .		ITGODS (bottom of weld ≈ top of barrel) (cm)
Shear Strength (kg/cm²)		Recovered Core Length (cm)	Hacm
Barrel Length (cm)		Core Catcher Used?	N:)
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	locus
In-the-Ground Outside Depth to Surface (ITGDS) (cm)		Azimuth from GPS	To Con
		AZIIIIUII IIOIII GPS	1010
Compaction (cm)			- C - N -
Recovered Core Length (cm)			The second second
Distance from GPS			
Azimuth from GPS			11.5
			2
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshoote	er Shovel
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
Notes			
torget is on eleva- to try to get go SAND + Line grass SAND Auger 0-49 c 12 35 CM From +	rud pene	tration	a lover elevation
	rend es	5 Jen (58-88	(m) No regaric
Photos			V
234 Site photo 2 236-239 N→E- 240-242 trench	35 to -	target on dun W From Site	2-
210 010 hours			

Site ID	14СТВ- \$466		
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	2)	
Date	10/25	Day of Year	298
Field Crew	JCB + MEA		
Platform	OSV	Location ASIS Workeser	(MD
Arrival Time (EDT)	13:19	Departure Time (EDT)	
Latitude .	N 38 24938	Longitude	W075 13249
Water Depth (m)			
Handheld GPS used	JCB 765	GPS Waypoint	051
/SI		Camera	DSZR
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	A	Start Time	
GPS Session ID	A051	Stop Time	
Occupation Time (min)	5 MIN	Total Volume	
Joodpallon Timo (Timi)	J 111/1		
Surface/Grab	100	Water Quality Parameters	
/egetation/Sediment Type	SANDIVER	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)	2140416	Temperature (°C)	
		Barometric Pressure (mm Hg)	
Shear Strength (kg/cm²) (marsh sites only) Forams (preserved, x2)	-1	Dissolved Oxygen (DO) (%)	
	- :	DO (mg/L)	
Bulk Density/LOI		Specific Conductance (mS/cm)	
Grain Size		Salinity	
Stable Isotopes/Metals	15 0100		-
Distance from GPS	15 cm	pH (-)	+
Azimuth from GPS	NE 050	ORP (mV)	
March Dunk Core. 4" Debreachereste Berrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	he
Marsh Push Core: 4" Polycarbonate Barrel		Barrel Length (cm)	0)4 P
Vegetation Type			24
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	71
Shear Strength (kg/cm²)		Recovered Core Length (cm)	Sian
Barrel Length (cm)		Core Catcher Used?	
n-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	-
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler	7	Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
Total Core Length (cm)		Distance from GPS	
Distance from GPS		Azimuth from GPS	
Azimuth from GPS			
		,	
Notes ,			_
on olw fan. Sparse	veg pa	micui + golden roc	1. (+ sand
SAND Auger 0-51	29 11-	Jul banding melu	1
#2 from freuch	and the constant	from ~ 25-28 a	_]
(35-74 cm dept	3		
Photos			
DSLR 243 to site		1.	,
1 2 3010 000		NI Com soto	
244-247 N->	E->2-	-3M LADAY 2116	
244-247 N->>			

Site ID	14CTB - 466	T. C.	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02	The state of the s	
Date	10/25	Day of Year	298
Field Crew	JUB + ME		-10
Platform	OSV	Location	ASIS, MD
Arrival Time (EDT)	14:38	Departure Time (EDT)	NOTO INCL
Latitude	N38.24921	Longitude	W075,1317
	N38,29721	Longitude	W0 +5,15175
Water Depth (m)	P	ODO W	100
Handheld GPS used	JCB 765	GPS Waypoint	052
YSI		Camera	DSLR
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning		Radium Sampling: Mn Fiber	
GPS Reciever Used	A	Start Time	
GPS Session ID	A052	Stop Time	
Occupation Time (min)	Smin	Total Volume	
Surface/Grab		Water Quality Parameters	
Vegetation/Sediment Type	SANDtver	Water Type (estuary, marsh, standing, marsh backfill)	
Pentrometer (marsh sites only)		Temperature (°C)	
Shear Strength (kg/cm²) (marsh sites only)	0	Barometric Pressure (mm Hg)	
Shear Strength (kg/cm²) (marsh sites only) Forams (preserved, x2)	videopericontraction.	Dissolved Oxygen (DO) (%)	72.
			+
Bulk Density/LOI	-	DO (mg/L)	
Grain Size	-	Specific Conductance (mS/cm)	1
Stable Isotopes/Metals	Commend	Salinity	1
Distance from GPS	25 cm.	pH (-)	
Azimuth from GPS	E 080	ORP (mV)	
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	obe
Vegetation Type		Barrel Length (cm)	
Pentrometer		ITGODS (bottom of weld ≈ top of barrel) (cm)	
Shear Strength (kg/cm²)		Recovered Core Length (cm)	
Barrel Length (ch)		Core Catcher Used?	-
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	
In-the-Ground Outside Depth to Surface (ITGDS) (cm)			
		Azimuth from GPS	-
Compaction (cm)			
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			
		A	
		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Marsh Auger Core: Eijkelkamp Peat Sampler		Recovered Depth (cm)	
	0.00	Recovered Depth (Cht)	
		Distance from GPS	1:
Number of Sections Total Core Length (cm)		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS			
Marsh Auger Core: Eijkelkamp Peat Sampler Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes		Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	e ves	Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	e veg	Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	e veg	Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS	e veg	Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	e veg	Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAND 1 SPANS August Sand August Sand August Sand Sand Sand Sand Sand Sand Sand Sand	e veg	Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes	e veg	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAND 1 SPANS August Sand August Sand August Sand Sand Sand Sand Sand Sand Sand Sand	e veg	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAND 1 SPAS August Sand August Sand Sand Sand	e veg	Distance from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAND 1 SPANS August Sand August Sand August Sand Sand Sand Sand Sand Sand Sand Sand	e veg	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAND 1 SPAS Ruy	e veg	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAND 1 SPANS August Sand August Sand August Sand Sand Sand Sand Sand Sand Sand Sand	e veg	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAPD 1 SPAS No Sand any Photos		Distance from GPS Azimuth from GPS	7
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAPD 1 SPAS No Sand any Photos		Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAND 1 SPANS No Sand Ruy Photos DSUR 255 to 5	ite	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAND 1 SPANS No Sand Ruy Photos DSUR 255 to 5	ite	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAND 1 SPANS Aug Photos DSUR 255 to 5	ite	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAND 1 SPANS No Sand Ruy Photos DSUR 255 to 5	ite	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAND 1 Spars No Sand any Photos DSUR 255 to S 256-259 N->	B-> S-	Distance from GPS Azimuth from GPS	
Number of Sections Total Core Length (cm) Distance from GPS Azimuth from GPS Notes SAND 1 SPANS No Sand Ruy Photos DSUR 255 to 5	B-> S-	Distance from GPS Azimuth from GPS	

Site ID	14CTB- 295	MARSH = (476)	
USGS Field Activity Number (FAN)	2014-322-FA (14CTB02		
Date	10/26	Day of Year	299
Field Crew	JCB + MEN		2/1
Platform	JOS THELE	Location	Asis
Arrival Time (EDT)	16:14	Departure Time (EDT)	7013
Latitude	N38.24598	Longitude	W075 13527
Water Depth (m)		Longitude	00073 ,13300
Handheld GPS used	3-5 cm	GPS Waypoint	064
YSI	Proplus	Camera	DS1 M
101	PAOPINS	Carriera	DSOR
Sample Type/Sample	X, Measure, Time	Sample Type/Sample	X, Measure, Time
DGPS Positioning	A, mousure, rime	Radium Sempling: Mn Fiber	x, modern, rime
GPS Reciever Used STATIC	À	Start Time	T
GPS Session ID	A 064	Stop Time	+
Occupation Time (min)	H007	Total Volume	
Occupation Time (min)	MINSOMIN	Total volume	
Surface/Grab	10(10.)01.11.0	Water Quality Parameters	
Vegetation/Sediment Type	10 1 11 C	Water Type (estuary, marsh, standing, marsh backfill)	151
Pentrometer (marsh sites only)	sparting wars	Temperature (°C)	Standara 15.5
	* 1.0	Barometric Pressure (mm Hg)	
Shear Strength (kg/cm²) (marsh sites only)	*		758.1
Forams (preserved, x2)	7	Dissolved Oxygen (DO) (%)	7.6°/0
Bulk Density/LOI	3	DO (mg/L)	
Grain Size	3	Specific Conductance (mS/cm)	28.56
Stable Isotopes/Metals	2	Salinity	17.70
Distance from GPS	2m	pH (-)	6.62
Azimuth from GPS	SW 215	ORP (mV)	-234.7
Marsh Push Core: 4" Polycarbonate Barrel		Sand Gouge Core: AMS Sand/Loose Sediment Pro	obe
Vegetation Type		Barrel Length (cm)	
Pentrometer		ITGODS (bottom of weld top of barrel) (cm)	
Shear Strength (kg/cm²)		Recovered Core Length (cm)	
Barrel Length (cm)		Core Catcher Used?	
In-the-Ground Inside Depth to Surface (ITGIDS) (cm)		Distance from GPS	
In-the-Ground Outside Depth to Surface (ITGODS) (cm)		Azimuth from GPS	
Compaction (cm)		1	
Recovered Core Length (cm)			
Distance from GPS			
Azimuth from GPS			-
Azinidir ildiri Gr 3		<u> </u>	
Marsh Auger Core: Eijkelkamp Peat Sampler		Shovel (Dig) Core: AMS Sharpshooter Shovel	
Number of Sections		Recovered Depth (cm)	
	1111		
Total Core Length (cm)		Dietance from GDS	
Total Core Length (cm)	41cm	Distance from GPS	
Distance from GPS	51 cm	Azimuth from GPS	
	51 Cm 51 230		
Distance from GPS Azimuth from GPS	50 Cm SN 230		
Distance from GPS	50 cm		
Distance from GPS Azimuth from GPS Notes	51 Cm	Azimuth from GPS	
Distance from GPS Azimuth from GPS Notes	51 Cm	Azimuth from GPS	
Distance from GPS Azimuth from GPS Notes	51 Cm	Azimuth from GPS	algae growth
Distance from GPS Azimuth from GPS Notes	51 Cm	Azimuth from GPS	algae growth
Distance from GPS Azimuth from GPS Notes	51 Cm	Azimuth from GPS	algae growth
Distance from GPS Azimuth from GPS Notes	51 Cm	Azimuth from GPS	algae growth
Distance from GPS Azimuth from GPS Notes	51 Cm	Azimuth from GPS	algae growth 8, 14,5, 175
Distance from GPS Azimuth from GPS Notes	51 Cm		algae growth 8, 14,5, 175
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Distance from GPS Azimuth from GPS Notes Surface Sed From standing a * Shear vane set	Sarples f water "h	rom below at come of the in veg granth mumbers flashed all.	algae granth 9, 14,5, 175
Distance from GPS Azimuth from GPS Notes Surface Sed From standing a * Shear vane set	51 Cm	rom below at come of the in veg granth mumbers flashed all.	algae granth 9, 14,5, 175
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Distance from GPS Azimuth from GPS Notes Surface Sed From standing a * Shear vane set	Sarples f water "h	rom below at come of the in veg granth mumbers flashed all.	algae growth 8, 14,5, 175
Distance from GPS Azimuth from GPS Notes Surface Sed From Standing * Shear vane Set om 3 tries Plat augur * See	Sarpes f water "h @ 265 log box	rom below at come of the in veg granth mumbers flashed all.	algae growth 8, 14,5, 175
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